By Gale

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAEXB1618

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 7	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 8	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 9	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 10	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 11	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS 12	OCT 19	E-mail format enhanced
NEWS 13	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS 14	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 15	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 16	OCT 30	CHEMLIST enhanced with new search and display field
NEWS 17	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS 18	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS 19	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS 20	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS 21	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS 22	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS 23	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS 24	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS 25	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS 26	DEC 18	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS 27	DEC 18	CA/CAplus patent kind codes updated
NEWS 28	DEC 18	MARPAT to CA/CAplus accession number crossover limit increased to 50,000
NEWS 29	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS 30	DEC 27	CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

NEWS PRICE STN 2007 Prices

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:13:34 ON 28 DEC 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 06:13:46 ON 28 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 DEC 2006 HIGHEST RN 916420-05-8
DICTIONARY FILE UPDATES: 27 DEC 2006 HIGHEST RN 916420-05-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

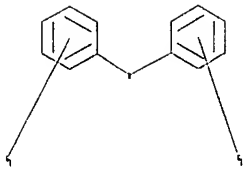
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

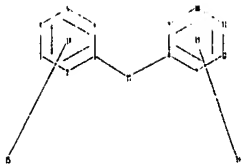
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10815578.str





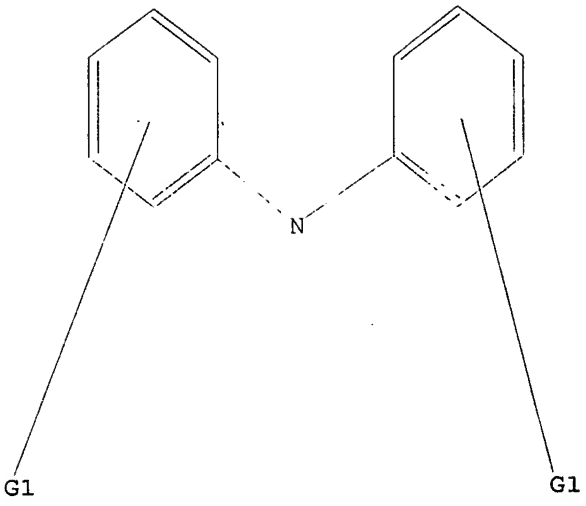
chain nodes :
13 15 16
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-13 8-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 18:Atom 19:Atom

L1 STRUCTURE UPLOADED

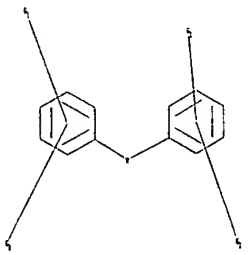
=> d l1
L1 HAS NO ANSWERS
L1 STR

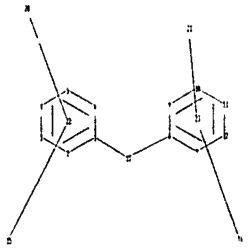


G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10815578a.str





chain nodes :
13 15 16 20 21
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

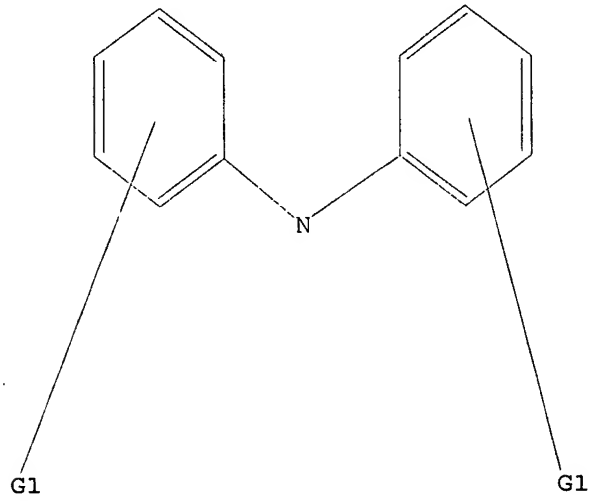
exact/norm bonds :
1-13 8-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 18:Atom 19:Atom 20:CLASS
21:CLASS 22:Atom 23:Atom

L2 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> d l2
L2 HAS NO ANSWERS
L2 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l2
SAMPLE SEARCH INITIATED 06:16:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 19234 TO ITERATE

10.4% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 376377 TO 392983
PROJECTED ANSWERS: 148992 TO 159520

L3 50 SEA SSS SAM L2

=> s l2 full
FULL SEARCH INITIATED 06:16:09 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 381027 TO ITERATE

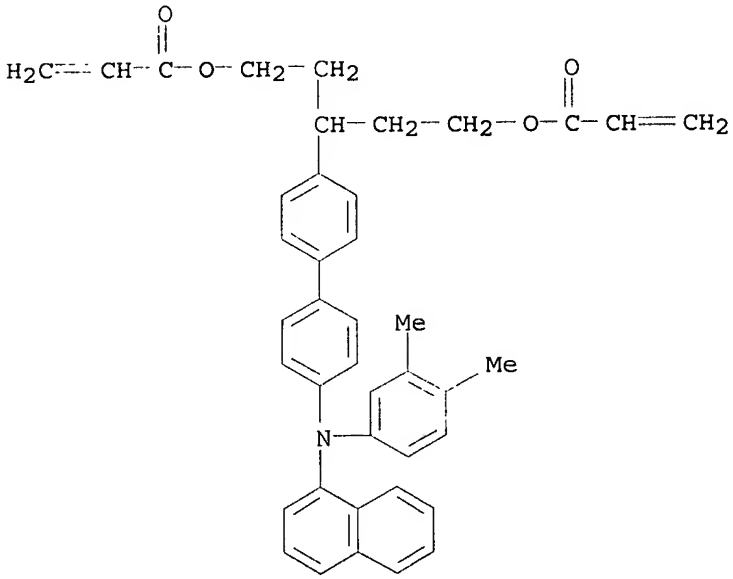
100.0% PROCESSED 381027 ITERATIONS 162213 ANSWERS
SEARCH TIME: 00.00.04

L4 162213 SEA SSS FUL L2

=> d scan

L4 162213 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF (C41 H39 N O4)x
CI PMS

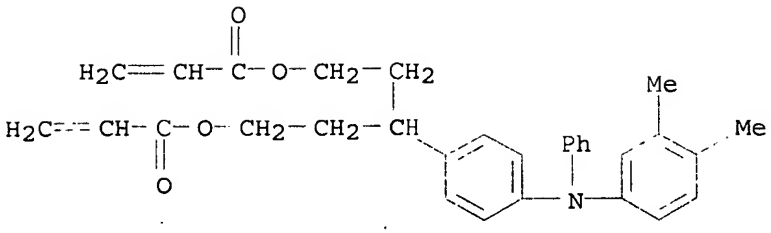
CM 1



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

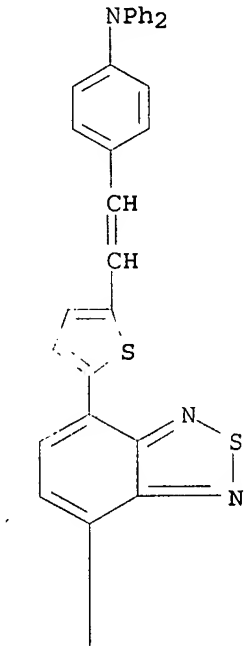
L4 162213 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF (C31 H33 N O4)x
CI PMS

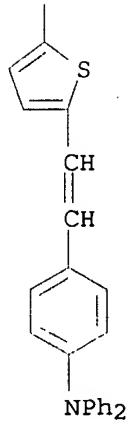
CM 1



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L4 162213 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C54 H38 N4 S3



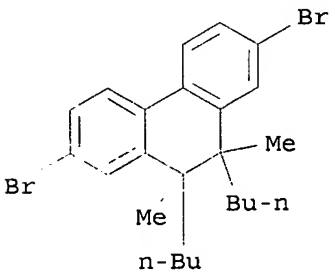


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

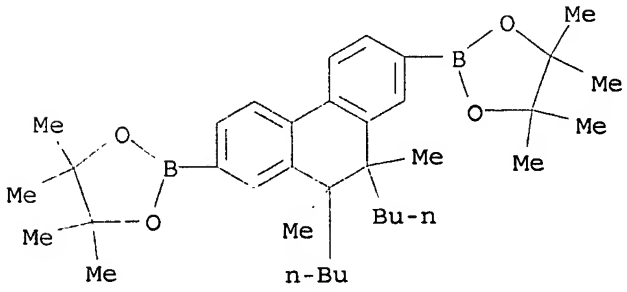
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L4 162213 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF (C36 H54 B2 O4 . C24 H30 Br2 . C18 H13 Br2 N . C14 H8 Br2 N2 O)x
CI PMS

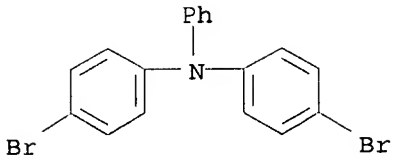
CM 1



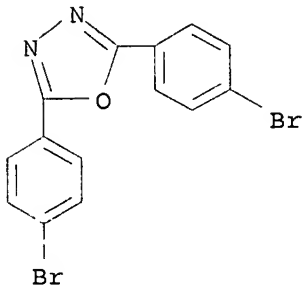
CM 2



CM 3

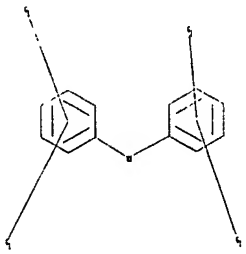


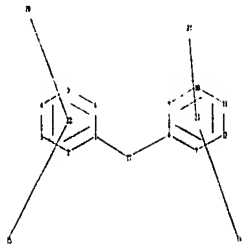
CM 4



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>
Uploading C:\Program Files\Stnexp\Queries\10815578b.str





chain nodes :
13 15 16 20 21
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13
ring bonds :

```
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12
exact/norm bonds :
1-13  8-13
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12


G1:H,Ak

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:CLASS  15:CLASS  16:CLASS  18:Atom  19:Atom  20:CLASS
21:CLASS  22:Atom  23:Atom



L5      STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l5
SAMPLE SEARCH INITIATED 06:19:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    19234 TO ITERATE

 10.4% PROCESSED     2000 ITERATIONS                                  50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       376377 TO   392983
PROJECTED ANSWERS:           72278 TO    79670

L6           50 SEA SSS SAM L5

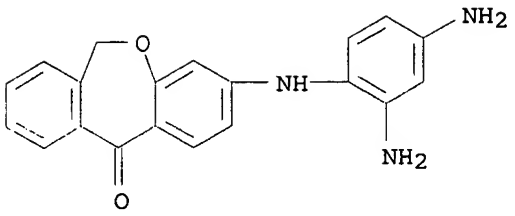
=> s l5 full
FULL SEARCH INITIATED 06:19:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   381027 TO ITERATE

100.0% PROCESSED   381027 ITERATIONS                          78639 ANSWERS
SEARCH TIME: 00.00.04

L7        78639 SEA SSS FUL L5

=> d scan

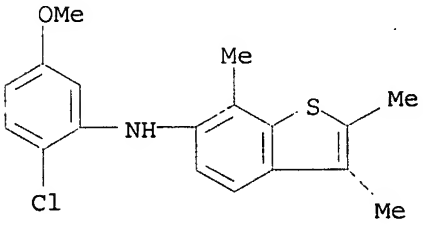
L7   78639 ANSWERS   REGISTRY  COPYRIGHT 2006 ACS on STN
IN   INDEX NAME NOT YET ASSIGNED
MF   C20 H17 N3 O2
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

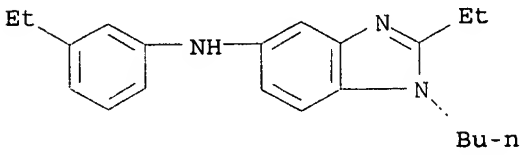
L7 78639 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C18 H18 Cl N O S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 78639 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Benzimidazol-5-amine, 1-butyl-2-ethyl-N-(3-ethylphenyl)- (9CI)
MF C21 H27 N3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
Uploading
'UPLOAD SSTN' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):C:\Program Files\Stnexp\Queries\10815578c.str

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
'0 SZ' @-#&1~" J*' IS NOT VALID HERE

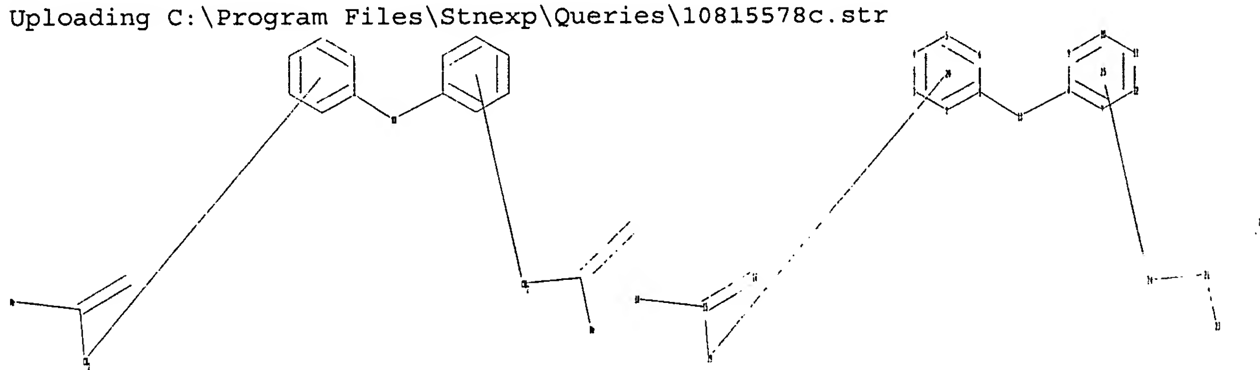
To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
'0 SZ' @-#&1~" J*' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
'0 SZ' @-#&1~" J*' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):
'0 SZ' @-#&1~" J*' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>
Uploading C:\Program Files\Stnexp\Queries\10815578c.str



chain nodes :
13 15 16 18 19 21 22 23 24
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13 15-16 15-18 15-19 21-22 21-23 21-24
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-13 8-13
exact bonds :

```
15-16  15-18  15-19  21-22  21-23  21-24
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12


G1:H,Ak

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:CLASS  15:CLASS  16:CLASS  18:CLASS  19:CLASS  20:Atom
21:CLASS  22:CLASS  23:CLASS  24:CLASS  25:Atom



L8      STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l8
SAMPLE SEARCH INITIATED 06:25:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      181 TO ITERATE

100.0% PROCESSED      181 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2813 TO     4427
PROJECTED ANSWERS:               0 TO        0

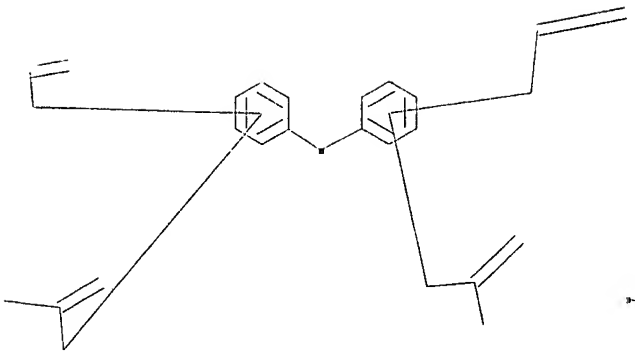
L9            0 SEA SSS SAM L8

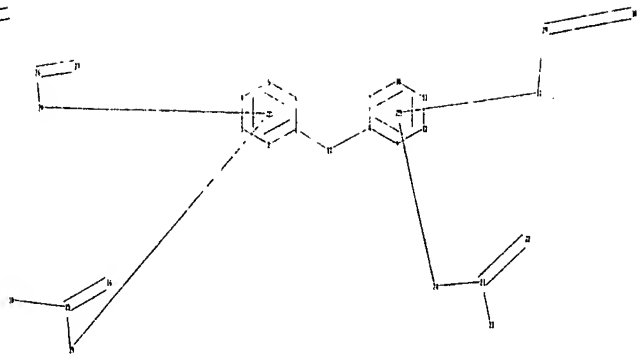
=> s l8 full
FULL SEARCH INITIATED 06:26:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     3364 TO ITERATE

100.0% PROCESSED     3364 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L10           0 SEA SSS FUL L8

=>
Uploading C:\Program Files\Stnexp\Queries\10815578d.str
```





chain nodes :
13 15 16 18 19 21 22 23 24 26 27 28 29 30 31
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13 15-16 15-18 15-19 21-22 21-23 21-24 26-27 26-28 29-30 29-31
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-13 8-13
exact bonds :
15-16 15-18 15-19 21-22 21-23 21-24 26-27 26-28 29-30 29-31
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 20:Atom
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:Atom 26:CLASS 27:CLASS 28:CLASS
29:CLASS 30:CLASS 31:CLASS 32:Atom 33:Atom

L11 STRUCTURE UPLOADED

=> d l11
L11 HAS NO ANSWERS
L11 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

```
=> s l11
SAMPLE SEARCH INITIATED 06:29:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      144 TO ITERATE

100.0% PROCESSED      144 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          2161 TO     3599
PROJECTED ANSWERS:                0 TO        0

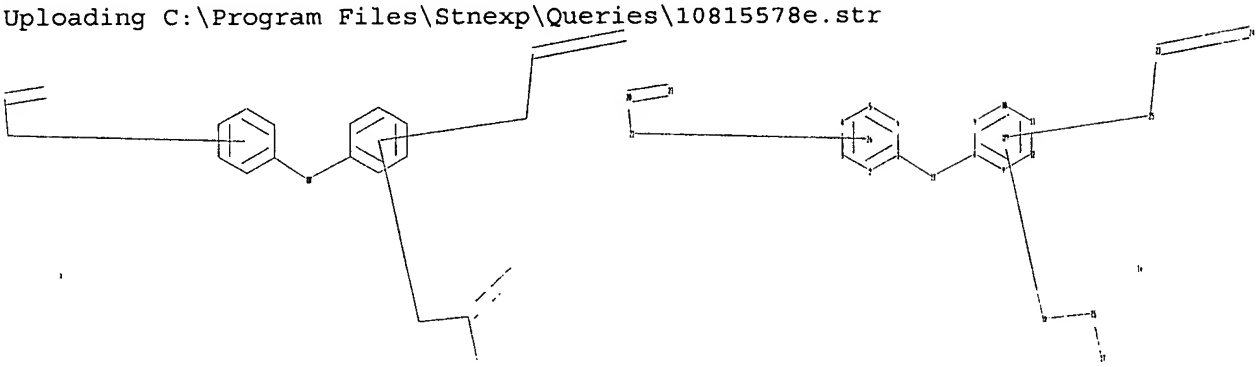
L12           0 SEA SSS SAM L11

=> s l11 full
FULL SEARCH INITIATED 06:29:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     2758 TO ITERATE

100.0% PROCESSED     2758 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L13           0 SEA SSS FUL L11

=>
Uploading C:\Program Files\Stnexp\Queries\10815578e.str
```



```
chain nodes :
13  15  16  17  18  20  21  22  23  24  25
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12
chain bonds :
1-13  8-13  15-16  15-17  15-18  20-21  20-22  23-24  23-25
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12
exact/norm bonds :
1-13  8-13
exact bonds :
15-16  15-17  15-18  20-21  20-22  23-24  23-25
normalized bonds :
```

```
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12


G1:H,Ak

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:CLASS  15:CLASS  16:CLASS  17:CLASS  18:CLASS  19:Atom
20:CLASS  21:CLASS  22:CLASS  23:CLASS  24:CLASS  25:CLASS  26:Atom  27:Atom



L14     STRUCTURE UPLOADED

=> s l14
SAMPLE SEARCH INITIATED 06:31:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      212 TO ITERATE

100.0% PROCESSED      212 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         3367 TO     5113
PROJECTED ANSWERS:               0 TO        0

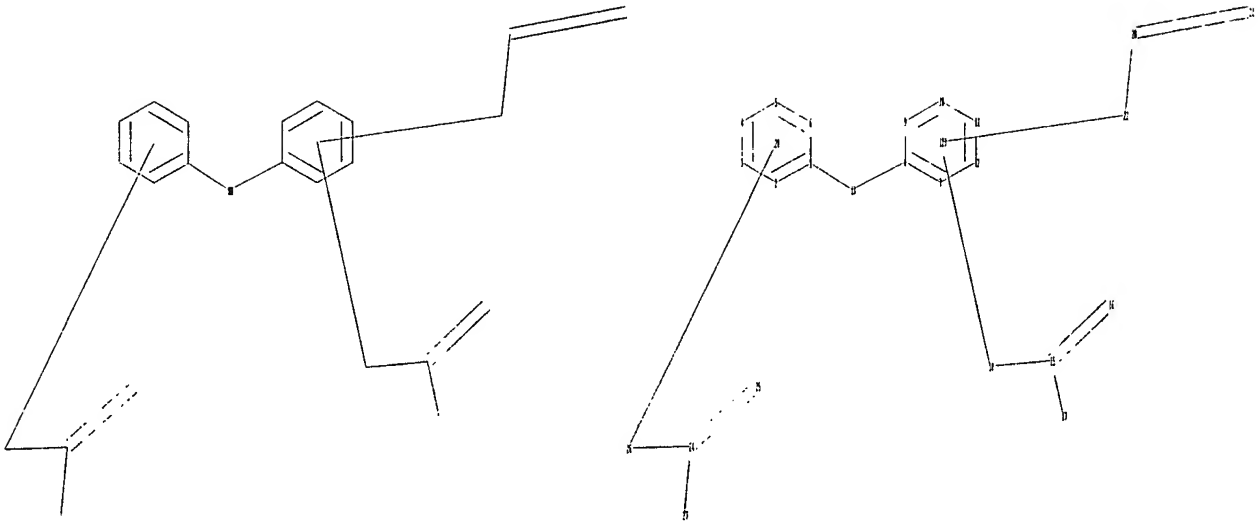
L15           0 SEA SSS SAM L14

=> s l14 full
FULL SEARCH INITIATED 06:31:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     4054 TO ITERATE

100.0% PROCESSED     4054 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L16           0 SEA SSS FUL L14

=>
Uploading C:\Program Files\Stnexp\Queries\10815578f.str
```



chain nodes :
13 15 16 17 18 20 21 22 24 25 26 27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13 15-16 15-17 15-18 20-21 20-22 24-25 24-26 24-27
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-13 8-13
exact bonds :
15-16 15-17 15-18 20-21 20-22 24-25 24-26 24-27
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom
20:CLASS 21:CLASS 22:CLASS 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:Atom

```
L17     STRUCTURE UPLOADED

=> s l17
SAMPLE SEARCH INITIATED 06:38:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      144 TO ITERATE

100.0% PROCESSED      144 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2161 TO     3599
PROJECTED ANSWERS:               0 TO        0

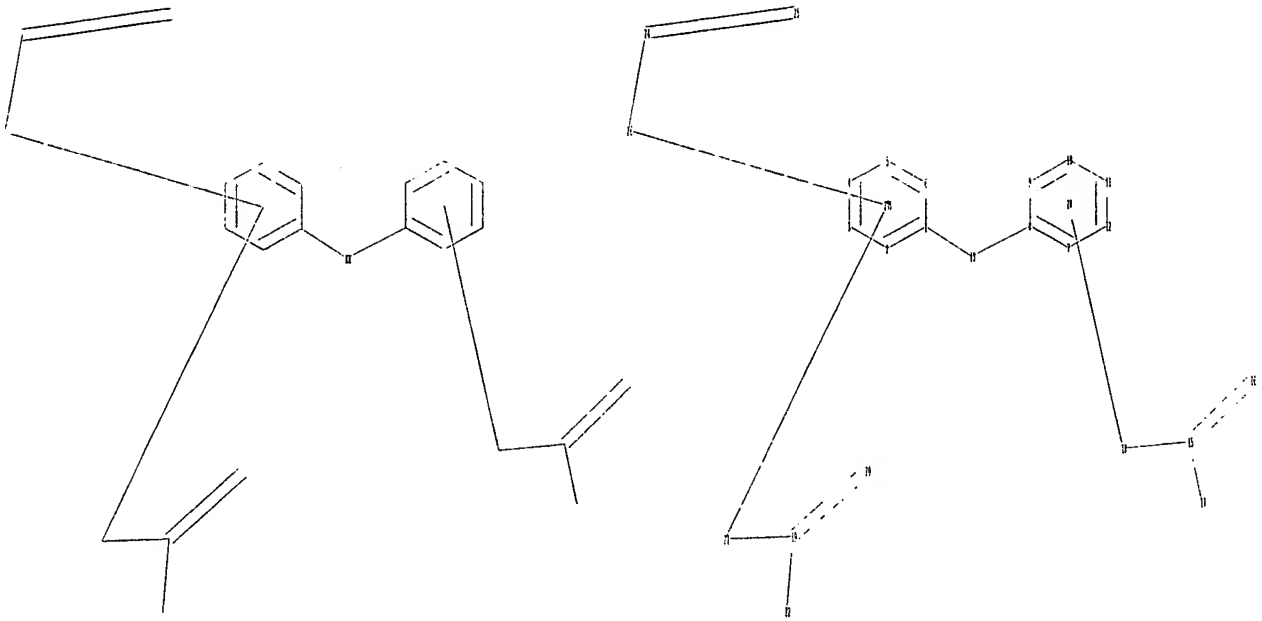
L18           0 SEA SSS SAM L17

=> s l17 full
FULL SEARCH INITIATED 06:39:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     2758 TO ITERATE

100.0% PROCESSED     2758 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L19           0 SEA SSS FUL L17

=>
Uploading C:\Program Files\Stnexp\Queries\10815578G.str
```



chain nodes :
13 15 16 17 18 19 20 21 22 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13 15-16 15-17 15-18 19-20 19-21 19-22 24-25 24-26
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-13 8-13
exact bonds :
15-16 15-17 15-18 19-20 19-21 19-22 24-25 24-26
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom
28:Atom

```
L20     STRUCTURE UPLOADED

=> SL20
SL20 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> S L20
SAMPLE SEARCH INITIATED 06:42:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      144 TO ITERATE

100.0% PROCESSED      144 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2161 TO     3599
PROJECTED ANSWERS:               0 TO        0

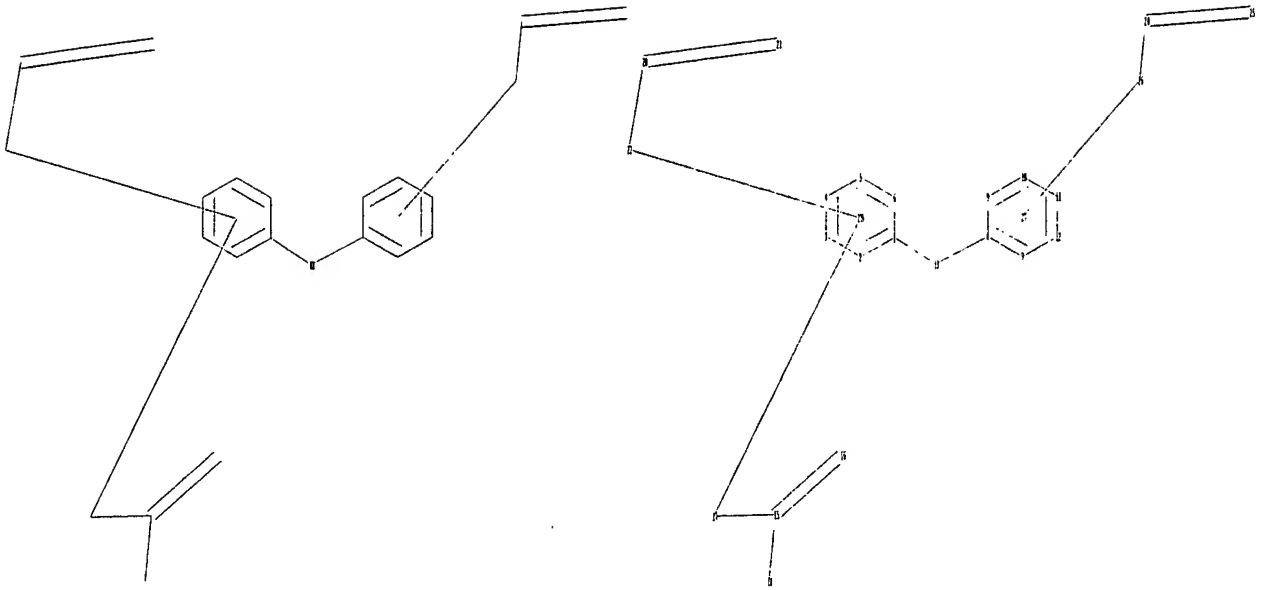
L21           0 SEA SSS SAM L20

=> S L20 FULL
FULL SEARCH INITIATED 06:42:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     2758 TO ITERATE

100.0% PROCESSED     2758 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L22           0 SEA SSS FUL L20

=>
Uploading C:\Program Files\Stnexp\Queries\10815578H.str
```



chain nodes :
13 15 16 17 18 20 21 22 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
1-13 8-13 15-16 15-17 15-18 20-21 20-22 24-25 24-26
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-13 8-13
exact bonds :
15-16 15-17 15-18 20-21 20-22 24-25 24-26
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom
20:CLASS 21:CLASS 22:CLASS 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom

```
L23     STRUCTURE UPLOADED

=> S L23
SAMPLE SEARCH INITIATED 06:45:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      212 TO ITERATE

100.0% PROCESSED      212 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         3367 TO     5113
PROJECTED ANSWERS:               0 TO        0

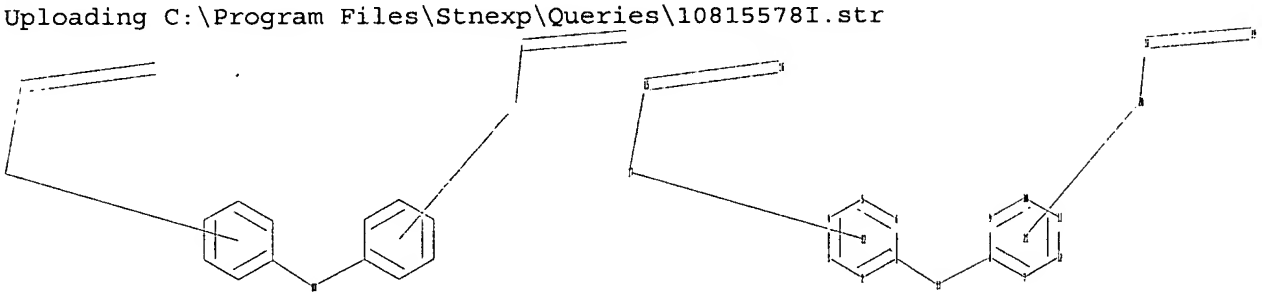
L24           0 SEA SSS SAM L23

=> S L23 FULL
FULL SEARCH INITIATED 06:45:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     4054 TO ITERATE

100.0% PROCESSED     4054 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L25           0 SEA SSS FUL L23

=>
Uploading C:\Program Files\Stnexp\Queries\10815578I.str
```



```
chain nodes :
13  15  16  17  18  19  20
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12
chain bonds :
1-13  8-13  15-16  15-17  18-19  18-20
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12
exact/norm bonds :
1-13  8-13
exact bonds :
15-16  15-17  18-19  18-20
normalized bonds :
```

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

G1:H,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:Atom 22:Atom

L26 STRUCTURE UPLOADED

=> S L26
SAMPLE SEARCH INITIATED 06:47:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 602 TO ITERATE

100.0% PROCESSED 602 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10568 TO 13512
PROJECTED ANSWERS: 0 TO 0

L27 0 SEA SSS SAM L26

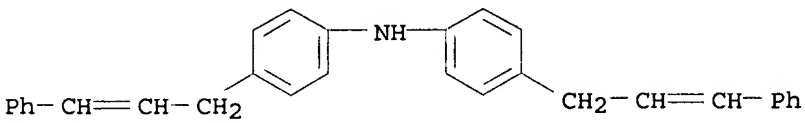
=> S L26 FULL
FULL SEARCH INITIATED 06:47:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12099 TO ITERATE

100.0% PROCESSED 12099 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L28 1 SEA SSS FUL L26

=> D SCAN

L28 1 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Benzenamine, 4-(3-phenyl-2-propenyl)-N-[4-(3-phenyl-2-propenyl)phenyl]-
(9CI)
MF C30 H27 N



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1523.58	1523.79

FILE 'CAPLUS' ENTERED AT 06:47:43 ON 28 DEC 2006

FILE COVERS 1907 - 28 Dec 2006 VOL 146 ISS 1
FILE LAST UPDATED: 27 Dec 2006 (20061227/ED)

=> S L28
L29 1 L28

=> D BIB ABS

L29 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1978:197619 CAPLUS
DN 88:197619
TI Rubber vulcanizates in relation to their suitability as closure material for liquid pharmaceutical preparations. Effect of fillers and antioxidants
AU Yehia, A. A.; Kassem, M. A.; Tawfik, A. Sina; Ibrahim, S. A.
CS Natl. Res. Cent., Cairo, Egypt
SO Pharmazeutische Industrie (1978), 40(3), 277-81
CODEN: PHINAN; ISSN: 0031-711X
DT Journal
LA English
AB Seven different fillers and their mixts. were incorporated in rubber compns. The rubber compds. were vulcanized. The physicomech. properties of the vulcanizates were greatly dependent on the nature of the filler employed. The physicomech. properties, water sorption, and leaching tendency were greatly improved by the incorporation of hydrophobic Aerosil or its mixture with BaSO4 and talc. Absorption spectra of the rubber autoclavates showed the general pattern characteristic for the vulcanizing system used. The addition of antioxidants slightly decreased the modulus and tensile strength of the rubber vulcanizates and practically did not affect their water sorption and leaching tendency.

=> D BIB ABS STR
'STR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
DALL -------- ALL, delimited (end of each field identified)

```
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>).  Examples of formats include: TI; TI,AU; BIB,ST;
TI,IND; TI,SO.  You may specify the format fields in any order and the
information will be displayed in the same order as the format
specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR,
FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC
to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):BIB ABS HITSTR

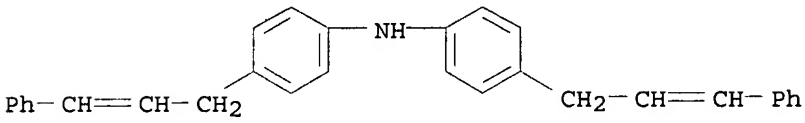
L29  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   1978:197619  CAPLUS
DN   88:197619
TI   Rubber vulcanizates in relation to their suitability as closure material
     for liquid pharmaceutical preparations.  Effect of fillers and
     antioxidants
AU   Yehia, A. A.; Kassem, M. A.; Tawfik, A. Sina; Ibrahim, S. A.
CS   Natl. Res. Cent., Cairo, Egypt
SO   Pharmazeutische Industrie (1978), 40(3), 277-81
     CODEN: PHINAN; ISSN: 0031-711X
DT   Journal
LA   English
AB   Seven different fillers and their mixts. were incorporated in rubber
```

compns. The rubber compds. were vulcanized. The physicomech. properties of the vulcanizates were greatly dependent on the nature of the filler employed. The physicomech. properties, water sorption, and leaching tendency were greatly improved by the incorporation of hydrophobic Aerosil or its mixture with BaSO4 and talc. Absorption spectra of the rubber autoclavates showed the general pattern characteristic for the vulcanizing system used. The addition of antioxidants slightly decreased the modulus and tensile strength of the rubber vulcanizates and practically did not affect their water sorption and leaching tendency.

IT 66693-72-9
RL: BIOL (Biological study)
(antioxidant, rubber vulcanizate pharmaceutical liquid closure material properties in relation to)

RN 66693-72-9 CAPLUS

CN Benzenamine, 4-(3-phenyl-2-propenyl)-N-[4-(3-phenyl-2-propenyl)phenyl]- (9CI) (CA INDEX NAME)



=> D HIS

(FILE 'HOME' ENTERED AT 06:13:34 ON 28 DEC 2006)

FILE 'REGISTRY' ENTERED AT 06:13:46 ON 28 DEC 2006

L1		STRUCTURE UPLOADED
L2		STRUCTURE UPLOADED
L3	50	S L2
L4	162213	S L2 FULL
L5		STRUCTURE UPLOADED
L6	50	S L5
L7	78639	S L5 FULL
L8		STRUCTURE UPLOADED
L9	0	S L8
L10	0	S L8 FULL
L11		STRUCTURE UPLOADED
L12	0	S L11
L13	0	S L11 FULL
L14		STRUCTURE UPLOADED
L15	0	S L14
L16	0	S L14 FULL
L17		STRUCTURE UPLOADED
L18	0	S L17
L19	0	S L17 FULL
L20		STRUCTURE UPLOADED
L21	0	S L20
L22	0	S L20 FULL
L23		STRUCTURE UPLOADED
L24	0	S L23
L25	0	S L23 FULL
L26		STRUCTURE UPLOADED
L27	0	S L26
L28	1	S L26 FULL

FILE 'CAPLUS' ENTERED AT 06:47:43 ON 28 DEC 2006

L29	1	S L28

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.61	1534.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

STN INTERNATIONAL LOGOFF AT 06:51:13 ON 28 DEC 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAEXB1618

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 7	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 8	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 9	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 10	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 11	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS 12	OCT 19	E-mail format enhanced
NEWS 13	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS 14	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 15	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 16	OCT 30	CHEMLIST enhanced with new search and display field
NEWS 17	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS 18	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS 19	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS 20	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS 21	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000

```
 NEWS 22  DEC 01  CAS REGISTRY updated with new ambiguity codes
 NEWS 23  DEC 11  CAS REGISTRY chemical nomenclature enhanced
 NEWS 24  DEC 14  WPIDS/WPINDEX/WPIX manual codes updated
 NEWS 25  DEC 14  GBFULL and FRFULL enhanced with IPC 8 features and
                  functionality
 NEWS 26  DEC 18  CA/CAplus pre-1967 chemical substance index entries enhanced
                  with preparation role
 NEWS 27  DEC 18  CA/CAplus patent kind codes updated
 NEWS 28  DEC 18  MARPAT to CA/CAplus accession number crossover limit increased
                  to 50,000
 NEWS 29  DEC 18  MEDLINE updated in preparation for 2007 reload
 NEWS 30  DEC 27  CA/CAplus enhanced with more pre-1907 records

 NEWS EXPRESS  NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8
 NEWS X25      X.25 communication option no longer available
 NEWS PRICE    STN 2007 Prices

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:01:18 ON 28 DEC 2006

=> file caplus
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'CAPLUS' ENTERED AT 09:01:28 ON 28 DEC 2006
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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```
FILE COVERS 1907 - 28 Dec 2006  VOL 146 ISS 1
FILE LAST UPDATED: 27 Dec 2006  (20061227/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html
```

```
=> s nature/ti
         56052 NATURE/TI
           177 NATURES/TI
L1        56227 NATURE/TI
                ((NATURE OR NATURES)/TI)

=> s bands/ti
L2        18585 BANDS/TI

=> s l1 and l2
L3          214 L1 AND L2

=> s electronic/ti
        128696 ELECTRONIC/TI
          6276 ELECTRONICS/TI
L4      134875 ELECTRONIC/TI
                ((ELECTRONIC OR ELECTRONICS)/TI)

=> s l3 and l4
L5           29 L3 AND L4

=> s absorption/ti
        191825 ABSORPTION/TI
           633 ABSORPTIONS/TI
L6      192443 ABSORPTION/TI
                ((ABSORPTION OR ABSORPTIONS)/TI)

=> s l5 and l6
L7           22 L5 AND L6

=> s spectra/ti
L8      162942 SPECTRA/TI

=> s l7 and l8
L9           16 L7 AND L8

=> s acid/it
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       1073600 ACIDS/IT
L10    3241872 ACID/IT
                ((ACID OR ACIDS)/IT)

=> s acid/ti
        854472 ACID/TI
        279119 ACIDS/TI
L11    1111631 ACID/TI
                ((ACID OR ACIDS)/TI)

=> s l11 and l9
L12          1 L11 AND L9

=> d bib abs

L12  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   1985:595738  CAPLUS
DN   103:195738
TI   Nature of bands of electronic
     absorption spectra of acid solutions of
     aromatic α,β-unsaturated ketones
AU   Chuev, V. P.; Nikitchenko, V. M.; Lavrushin, V. F.
CS   Khar'k. Gos. Univ., Kharkov, USSR
SO   Teoreticheskaya i Eksperimental'naya Khimiya (1985), 21(3), 321-8
     CODEN: TEKHA4; ISSN: 0497-2627
DT   Journal
LA   Russian
```

AB The electronic spectra of 4-PhXC6H4CO(CH:CH)nC6H4R-4 (X = CH2, O, S, NH, NMe; n = 1, 2; R = H, OMe, NMe2, Br, NO2) in 93% H2SO4 contain 2 intense π-π* bands in the 330-630 nm region. MO calcns. permitted the assignment of these bands to protonated cinnamoyl and protonated acetophenone fragments. Resonance, dipole-dipole, and exchange interactions of these fragments were considered.

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.77	17.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Dec 22, 2006 (20061222/UP).

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By Barts

CAS ONLINE PRINTOUT

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L6                STRUCTURE UPLOADED
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L10          33 S L9 FUL

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L17               STRUCTURE UPLOADED
L18           0 S L17
L19           0 S L17 FUL
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L21           4 S L20
L22          50 S L20 FUL

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                S L20

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L24           4 S L20

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L25           3 S L24

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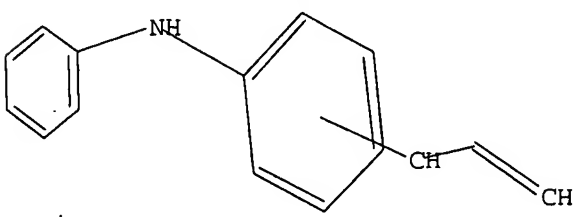
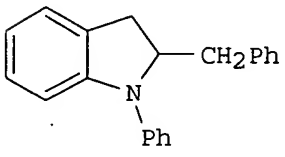


CAS ONLINE PRINTOUT

Structure attributes must be viewed using STN Express query preparation.

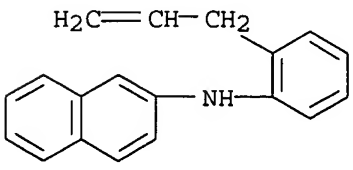
=> d bib abs hitstr 1-20 123

L23 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:836734 CAPLUS
DN 142:23160
TI Palladium-catalyzed synthesis of N-aryl-2-benzylindolines via tandem arylation of 2-allylaniline: Control of selectivity through in situ catalyst modification
AU Lira, Ricardo; Wolfe, John P.
CS Department of Chemistry, University of Michigan, Ann Arbor, MI, 48109-1055, USA
SO Journal of the American Chemical Society (2004), 126(43), 13906-13907
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
OS CASREACT 142:23160
GI



I

AB A synthesis of N-aryl-2-benzylindolines, e.g., I, from 2-allylanilines and aryl bromides is described. This transformation involved two different sequential metal-catalyzed reactions that led to the formation of two C-N bonds and one C-C bond in a one-pot process. The selective installation of two different aryl groups in these reactions was accomplished by in situ modification of the palladium catalyst prior to addition of the second aryl bromide.
IT 799763-81-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of N-naphthyl(allyl)aniline via palladium-catalyzed arylation of allylaniline with bromonaphthalene)
RN 799763-81-8 CAPLUS
CN 2-Naphthalenamine, N-[2-(2-propenyl)phenyl]- (9CI) (CA INDEX NAME)



RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:591139 CAPLUS
DN 139:149426

CAS ONLINE PRINTOUT

TI Preparation of N-(4-substituted phenyl)-anthranilic acid hydroxamate esters as MAPK/ERK kinase inhibitors useful for treatment of proliferative disorders

IN Barrett, Stephen Douglas; Kaufman, Michael David; Milbank, Jared Bruce John; Rewcastle, Gordon William; Spicer, Julie Ann; Tecle, Haile

PA Warner-Lambert Company Llc, USA

SO PCT Int. Appl., 121 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003062191	A1	20030731	WO 2003-IB211	20030113
	WO 2003062191	A8	20031224		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2473545	A1	20030731	CA 2003-2473545	20030113
	EP 1467968	A1	20041020	EP 2003-731797	20030113
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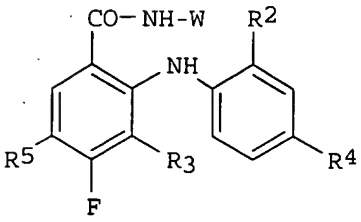
	BR 2003007060	A	20041026	BR 2003-7060	20030113
	JP 2005515253	T	20050526	JP 2003-562075	20030113
	TW 592692	B	20040621	TW 2003-92101396	20030122
	US 2004006245	A1	20040108	US 2003-349801	20030123
	US 6891066	B2	20050510		
	US 2005137263	A1	20050623	US 2005-51142	20050204
	US 7078438	B2	20060718		
PRAI	US 2002-351201P	P	20020123		
	WO 2003-IB211	W	20030113		
	US 2003-349801	A1	20030123		

OS MARPAT 139:149426

GI



I

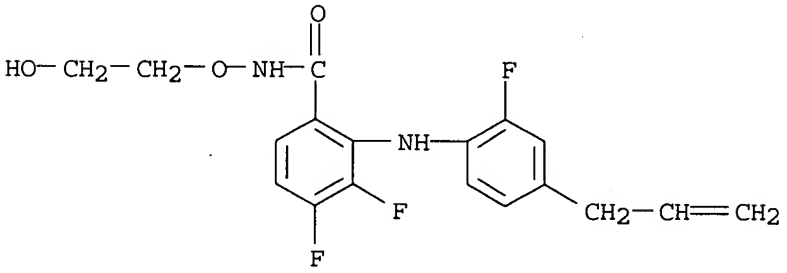
AB The present invention relates to oxygenated esters of 4-substituted-phenylamino benzhydroxamic acid derivs. (shown as I; variables defined below; e.g. 2-[(4-ethyl-2-fluorophenyl)amino]-3,4-difluoro-N-(2-hydroxyethoxy)benzamide), pharmaceutical compns. and methods of use thereof. Although the methods of preparation are not claimed, 33 example

prepns. of I are included. IC50 values for cellular inhibition of ERK phosphorylation by 32 examples of I are reported, e.g. 0.00015 μM for 3,4-difluoro-2-(2-fluoro-4-methylanilino)-N-(2-hydroxyethoxy)benzamide. For I: W is HOCH2CH2O, enantiomers of HOCH2CH(OH)CH2O, or OCH(CH2OH)2; R2 is H, Me, F, or Cl; R3 is H or F; R4 is C1-6 alkyl, C2-4 alkenyl, C2-6 alkynyl, C3-6 cycloalkyl, -(CH2)-C3-6 cycloalkyl, -O-(C1-4 alkyl), -S-(C1-2 alkyl), -SO2CH3, -SO2NR6R7, -C.tplbond.C-(CH2)nNH2, -C:C(CH2)nOH, -C:C-(CH2)nNH2, -(CH2)mNH2, -(CH2)mNHCH3, -(CH2)mNMe2, -(CH2)mOR8, -(CH2)qCF3, -C.tplbond.CCF3, -CH:CHCF3, -CH2CHCF2, or -CH:CF2, wherein the C1-6 alkyl and C2-6 alkynyl are (un)substituted with = 1-3 hydroxy and alkyl; m is 1 to 4; n is 1 to 2; q is 0 to 2; R5 is H or Cl; R6 and R7 are each independently H, Me, or Et; R8 = Me or Et.

IT 568599-51-9P, 2-(4-Allyl-2-fluoroanilino)-3,4-difluoro-N-(2-hydroxyethoxy)benzamide
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of N-(4-substituted phenyl)-anthranilic acid hydroxamate esters as MAPK/ERK kinase inhibitors useful for treatment of proliferative disorders)

RN 568599-51-9 CAPLUS

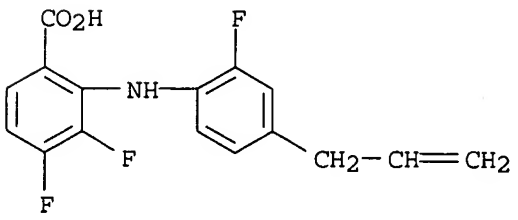
CN Benzamide, 3,4-difluoro-2-[[2-fluoro-4-(2-propenyl)phenyl]amino]-N-(2-hydroxyethoxy)- (9CI) (CA INDEX NAME)



IT 568599-56-4P, 2-(4-Allyl-2-fluoroanilino)-3,4-difluorobenzoic acid
568599-90-6P, Methyl 2-(4-allyl-2-fluoroanilino)-3,4-difluorobenzoate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of N-(4-substituted phenyl)-anthranilic acid hydroxamate esters as MAPK/ERK kinase inhibitors useful for treatment of proliferative disorders)

RN 568599-56-4 CAPLUS

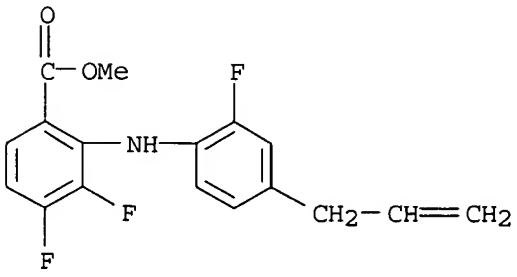
CN Benzoic acid, 3,4-difluoro-2-[[2-fluoro-4-(2-propenyl)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 568599-90-6 CAPLUS

CAS ONLINE PRINTOUT

CN Benzoic acid, 3,4-difluoro-2-[[2-fluoro-4-(2-propenyl)phenyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:171841 CAPLUS
DN 136:232543
TI Preparation of amino(oxo)acetic acids as protein tyrosine phosphatase inhibitors
IN Liu, Gang; Szczepankiewicz, Bruce G.; Pei, Zhonghua; Xin, Zhili; Oost, Thorsten K.; Janowick, David A.
PA Abbott Laboratories, USA
SO PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002018323	A2	20020307	WO 2001-US26906	20010829
	WO 2002018323	A3	20020627		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
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	US 2002035137	A1	20020321	US 2001-918928	20010731
	CA 2416740	A1	20020307	CA 2001-2416740	20010829
	AU 2001085345	A5	20020313	AU 2001-85345	20010829
	EP 1313696	A2	20030528	EP 2001-964500	20010829
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004531455	T	20041014	JP 2002-523441	20010829
PRAI	US 2000-228651P	P	20000829		
	US 2000-650922	A	20000829		
	US 2001-918928	A	20010731		
	WO 2001-US26906	W	20010829		

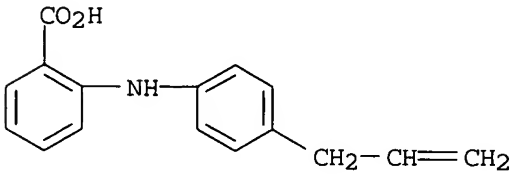
OS MARPAT 136:232543
AB Compds. R2CR:CRNR6COCOR1 [CR:CR is an aryl, heteroaryl, or heterocycloalkyl ring which may be substituted by alkoxy, alkyl, amido, amino, aminosulfonyl, arylcarbonylamino, cyano, halo, hydroxy, nitro, perfluoroalkoxy, and perfluoroalkyl groups; R1 = alkoxy, alkyl, amino,

aminosulfonyl, aryl, arylalkyl, aryloxy, hydroxy, perfluoroalkoxy, perfluoroalkyl; R2 = alkoxy, alkoxycarbonyl, alkyl, amido, amino, carboxy, cyano, nitro, SO3H, PO(OH)2, CH2PO(OH)2, CHFPO(OH)2,CF2PO(OH)2, C(:NH)NH2, and certain 5-membered heterocycles; R6 = alkyl, aryl, arylalkyl, cycloalkenyl, cycloalkenylalkyl, cycloalkyl, cycloalkylalkyl, heteroaryl, heteroarylalkyl, heterocycloalkyl, or (heterocycloalkyl)alkyl] or their therapeutically acceptable salts were prepared as protein tyrosine kinase 1B inhibitors. 2-[(Carboxycarbonyl)(1-naphthyl)amino]benzoic acid and 4-[(carboxycarbonyl)(2-carboxyphenyl)amino]-3-[(E)-3-amino-3-oxo-1-propenyl]-N-(methylsulfonyl)-N-pentyl-L-phenylalaninamide are two of 88 compds. synthesized and claimed. Compds. of the invention inhibit protein tyrosine phosphatase 1B with inhibitory potencies in a range of about of about 0.05 μM to about 21 μM.

IT 402925-27-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of amino(oxo)acetic acids as protein tyrosine phosphatase inhibitors)

RN 402925-27-3 CAPLUS

CN Benzoic acid, 2-[[4-(2-propenyl)phenyl]amino]- (9CI) (CA INDEX NAME)



L23 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:253952 CAPLUS

DN 126:292992

TI Reactions of Diarylnitrenium Ions with Electron Rich Alkenes: An Experimental and Theoretical Study

AU Moran, Ricardo J.; Cramer, Christopher; Falvey, Daniel E.

CS Department of Chemistry, University of Minnesota, Minneapolis, MN, 55455, USA

SO Journal of Organic Chemistry (1997), 62(9), 2742-2751
CODEN: JOCEAH; ISSN: 0022-3263

PB American Chemical Society

DT Journal

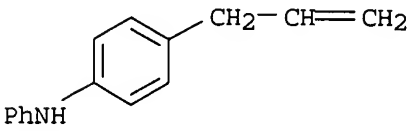
LA English

AB Photolysis of N-(diphenylamino)-2,4,6-trimethylpyridinium tetrafluoroborate (1a) and N-[bis(4-methylphenyl)amino]-2,4,6-trimethylpyridinium salt (1b) gives products attributable to diarylnitrenium ion (Ar2N+, 2). The major products of these reactions include products from nucleophilic addition of various π-nucleophiles (e.g. electron rich alkenes) to the ortho and para positions of one of the Ph rings. Nanosecond and EPR spectroscopy show that radicals also form. These radicals are thought to give rise to the diarylamines isolated as minor products from the photolysis of 1a and 1b. In addition to the para addition products and Ph2NH, N-phenylindoles and N-phenylindolinones are isolated when silyl enol ethers and silyl ketene acetals are used as trapping agents, resp. The indoles and indolinones are generated from initial addition of the nucleophile to the ortho position on 2 followed by cyclization of the resulting intermediate. A product resulting from N addition of the nucleophile to 2 is isolated only when silyl ketene acetals are used. A number of electronic structure calcns. at different levels of MO and d. functional theory were carried out on Ph2N+. There do not seem to

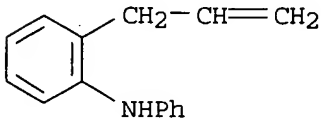
be effects associated with either the charge distribution or the LUMO that would strongly influence ortho/para/N selectivity in nucleophilic trapping. Laser flash photolysis on 1a provides absolute rate consts. for the nucleophilic addition of various alkenes to Ph2N+. These fall in the range of 109-1010 M-1 s-1 and correlate with the oxidation potential of the alkene. From these data it is clear that the more easily oxidized the alkene the faster it will react with Ph2N+.

IT 189039-04-1P 189039-05-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(photolysis of pyridinium salts in absence of traps and in presence of π-nucleophiles)

RN 189039-04-1 CAPLUS
CN Benzenamine, N-phenyl-4-(2-propenyl)- (9CI) (CA INDEX NAME)



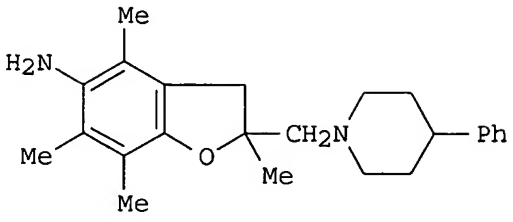
RN 189039-05-2 CAPLUS
CN Benzenamine, N-phenyl-2-(2-propenyl)- (9CI) (CA INDEX NAME)



RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:127095 CAPLUS
DN 126:117832
TI 5-Aminocoumarans: Dual Inhibitors of Lipid Peroxidation and Dopamine Release with Protective Effects against Central Nervous System Trauma and Ischemia
AU Ohkawa, Shigenori; Fukatsu, Kohji; Miki, Shokyo; Hashimoto, Tadatoshi; Sakamoto, Junko; Doi, Takayuki; Nagai, Yasuo; Aono, Tetsuya
CS Pharmaceutical Research Laboratories I, Takeda Chemical Industries Ltd., Osaka, 532, Japan
SO Journal of Medicinal Chemistry (1997), 40(4), 559-573
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
GI

CAS ONLINE PRINTOUT



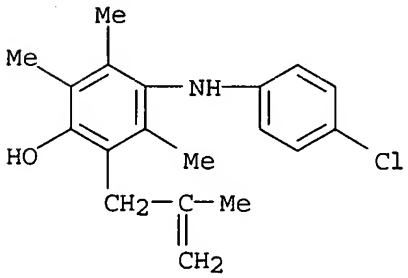
I

AB 2,3-Dihydro-5-benzofuranamines (5-aminocoumarans) were developed for the treatment of traumatic and ischemic central nervous system (CNS) injury. Compds. within this class were extremely effective inhibitors of lipid peroxidn. in vitro and antagonized excitatory behavior coupled with peroxidative injury induced by spinal intrathecal injection of FeCl2 (mouse-FeCl2-it assay) in vivo. Selected compds. were tested for antagonistic activity on methamphetamine (MAP)-induced hypermotility resulting from dopamine release in the mouse brain. Among the compds. synthesized, I exhibited potent effects in these assays (inhibition of lipid peroxidn., IC50 = 0.07 μM; mouse-FeCl2-it assay, ID50 = 10.4 mg/kg, po; MAP-induced hypermotility, 98% inhibition, 10 mg/kg, i.p.). The S-(+)-form of I dihydrochloride (TAK-218), which has 30 times more potent antagonistic activity on MAP-induced hypermotility than the R-(-)-form, improved more significantly the survival rate in the cerebral ischemia model (rat, 1-3 mg/kg, i.p.) during the period of 1-14 days after ischemia and decreased functional disorders in the traumatic brain injury model (rat, 0.1-1 mg/kg, i.p.) 3-14 days after injury. These results imply a role for dopamine in deterioration of CNS function after ischemic and traumatic injury. TAK-218 is a promising compound for the treatment of stroke and CNS trauma and is now under clin. investigation.

IT 142874-93-9P 186039-08-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(5-aminocoumarans as inhibitors of lipid peroxidn. and dopamine release with protective effects against central nervous system trauma and ischemia)

RN 142874-93-9 CAPLUS

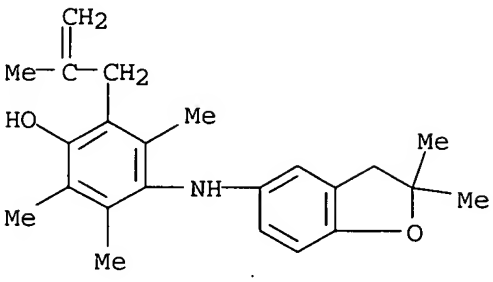
CN Phenol, 4-[(4-chlorophenyl)amino]-2,3,5-trimethyl-6-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



RN 186039-08-7 CAPLUS

CN Phenol, 4-[(2,3-dihydro-2,2-dimethyl-5-benzofuranyl)amino]-2,3,5-trimethyl-6-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)

CAS ONLINE PRINTOUT



RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:490125 CAPLUS
DN 117:90125
TI Preparation of aminodihydrobenzofurans as lipoperoxide formation inhibitors
IN Aono, Tetsuya; Ohkawa, Shigenori; Doi, Takayuki
PA Takeda Chemical Industries, Ltd., Japan
SO Eur. Pat. Appl., 48 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

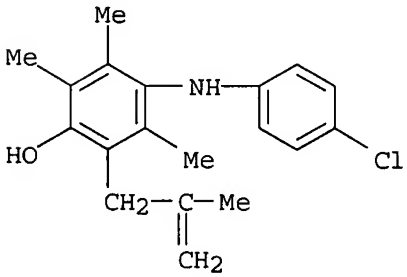
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 483772	A1	19920506	EP 1991-118448	19911029
	EP 483772	B1	19950913		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 05140142	A	19930608	JP 1991-282880	19911029
	ES 2077138	T3	19951116	ES 1991-118448	19911029
	US 5376681	A	19941227	US 1991-784988	19911030
	CA 2054619	A1	19920502	CA 1991-2054619	19911031
	CA 2054619	C	20030610		
	HU 60258	A2	19920828	HU 1991-3436	19911031
	KR 202463	B1	19990615	KR 1991-19416	19911101
	NO 9201572	A	19930326	NO 1992-1572	19920423
	NO 301161	B1	19970922		
	CN 1071165	A	19930421	CN 1992-103109	19920428
	CN 1047595	B	19991222		
	RU 2087473	C1	19970820	RU 1992-5011602	19920429
	US 5478844	A	19951226	US 1994-305717	19940914
	US 5594154	A	19970114	US 1995-447450	19950523
	HU 9500528	A3	19951030	HU 1995-528	19950629
	US 5770772	A	19980623	US 1996-715216	19960917
	CN 1174704	A	19980304	CN 1997-111488	19970515
	NO 9703061	A	19930326	NO 1997-3061	19970701
PRAI	JP 1990-298650	A	19901101		
	JP 1991-245667	A	19910925		
	JP 1991-282880	A	19911029		
	US 1991-784988	A3	19911030		
	US 1994-305717	A3	19940914		
	US 1995-447450	A3	19950523		

OS MARPAT 117:90125
GI For diagram(s), see printed CA Issue.
AB Title compds. [I; R1, R2 = H, acyl, alkoxycarbonyl, (substituted) aliphatyl, aryl; R3-R5 = (acylated) OH, (substituted) amino, alkoxy, aliphatyl; 2 or R3-R5 = atoms to form a (substituted) carbocyclyl; R6, R7

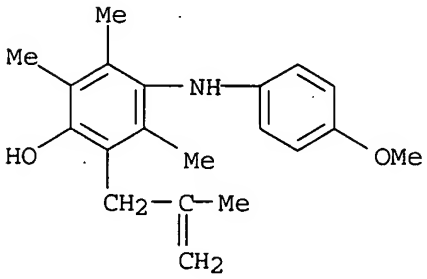
= (substituted) aliphatyl; ≥1 of R6, R7 has a methylene group at the α-position; R8, R9 = H, (substituted) aliphatyl, aryl], were prepared Thus, a mixture of H2SO4, 4-amino-2,3,5-trimethylphenol (preparation given) and 2-methylpropenol was refluxed 18 h in CH2Cl2 to give 16.9% title compound II. II at 100 mg/kg orally in mice gave 98% inhibition of FeCl2-induced behavioral changes. I are said to be useful in treating arteriosclerosis, hepatopathy, and cerebrovascular disease.

IT 142874-93-9P 142874-94-0P 142874-95-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for aminohydrobenzofuran lipoperoxide formation inhibitor)

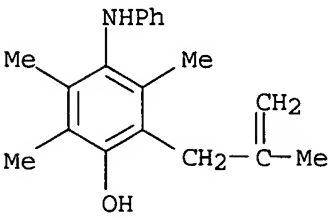
RN 142874-93-9 CAPLUS
CN Phenol, 4-[(4-chlorophenyl)amino]-2,3,5-trimethyl-6-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



RN 142874-94-0 CAPLUS
CN Phenol, 4-[(4-methoxyphenyl)amino]-2,3,5-trimethyl-6-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



RN 142874-95-1 CAPLUS
CN Phenol, 2,3,5-trimethyl-6-(2-methyl-2-propenyl)-4-(phenylamino)- (9CI) (CA INDEX NAME)

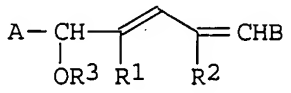


CAS ONLINE PRINTOUT

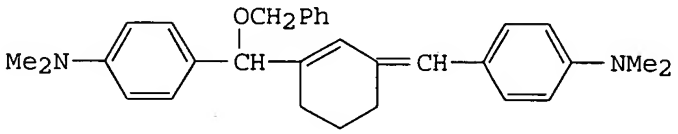
L23 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:235430 CAPLUS
DN 116:235430
TI Preparation of 1,5-di(hetero)aryl-5-hydroxy-1,3-pentadiene derivatives or cycloalkene analogs as recording materials
IN Wakasugi, Kazuyuki; Yamaguchi, Masahiko; Sato, Hiroko; Motohashi, Katsuichi
PA Hodogaya Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 03246259	A	19911101	JP 1990-41174	19900223
PRAI JP 1990-41174		19900223		

OS MARPAT 116:235430
GI



I



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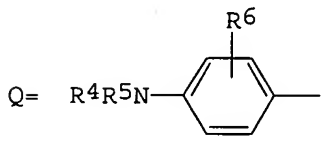
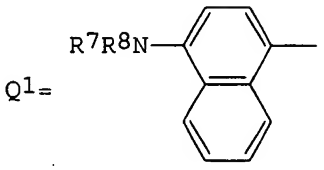
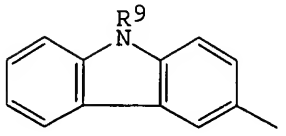
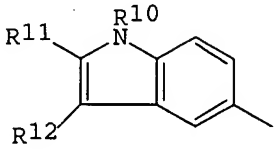






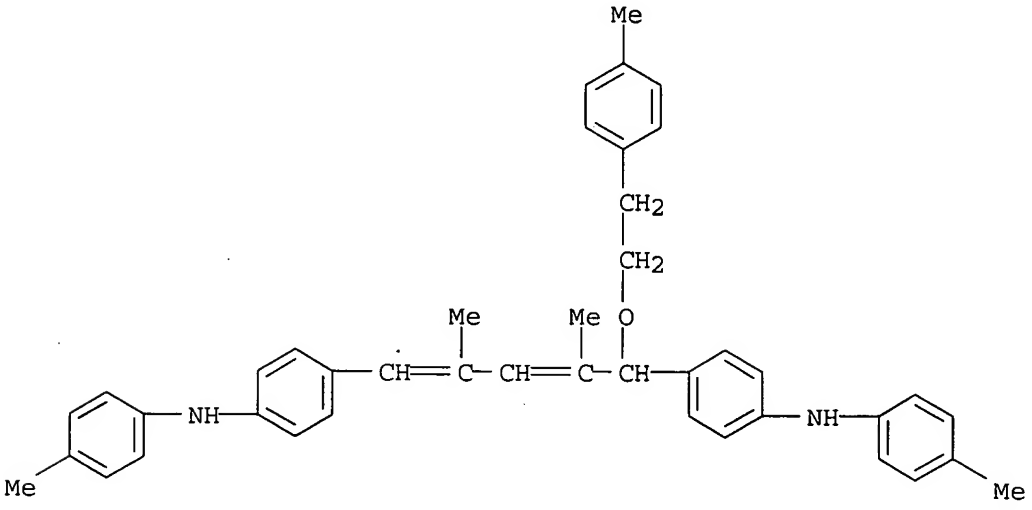


AB The title compds. [I; A, B = Q-Q3; R1, R2 = alkyl; or R1R2 = (CH2)n; n = 2-5; R3 = (un)substituted phenylalkyl or naphthylalkyl; R4, R5, R7-R10 = halo, (un)substituted alkyl, Ph, or PhCH2; or NR4R5, NR7R8 forming a ring; R6 = H, halo, alkyl, alkoxy, alkoxyalkyl, alkoxycarbonyl; R11, R12 = H, (un)substituted Ph or PhCH2, alkoxycarbonyl)], having strong absorption in the near-IR region, are prepared A recording material contains at least one I. When used in pressure-sensitive sheets, I show excellent solubility in capsule oil and provide excellent coloration and storage stability. When used in heat-sensitive sheets, I give excellent sensitivity. Thus, 20 part 2,5-bis(4-N,N-dimethylaminobenzylidene)cyclohexanium perchlorate was suspended in PhMe and after adding 1 part Bu4NBr, 9 parts PhCH2ONa was added at 50-60° with stirring and the stirring was continued for 4 h to give cyclohexene derivative II as a red-yellow oil. A pressure sensitive

sheet containing microencapsulated II gave green-blue or blue-green recording images.

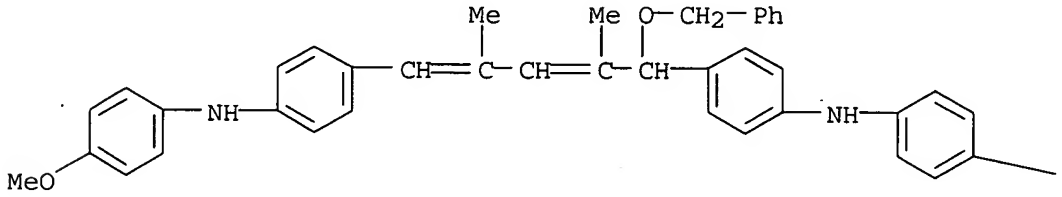
IT 139337-72-7P 139337-73-8P 139338-03-7P
139338-04-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as recording material)

RN 139337-72-7 CAPLUS
CN Benzenamine, 4,4'-[2,4-dimethyl-5-[2-(4-methylphenyl)ethoxy]-1,3-pentadiene-1,5-diyl]bis[N-(4-methylphenyl)- (9CI) (CA INDEX NAME)



RN 139337-73-8 CAPLUS
CN Benzenamine, 4,4'-[2,4-dimethyl-5-(phenylmethoxy)-1,3-pentadiene-1,5-diyl]bis[N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

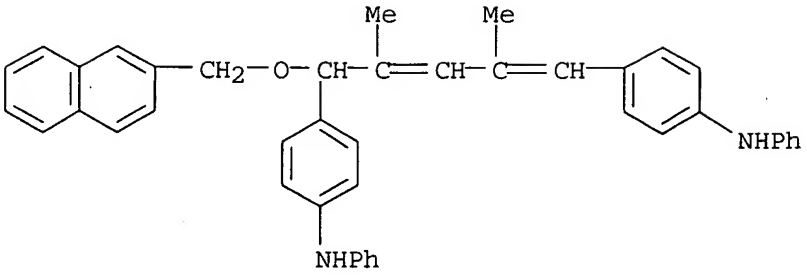


PAGE 1-B

OMe

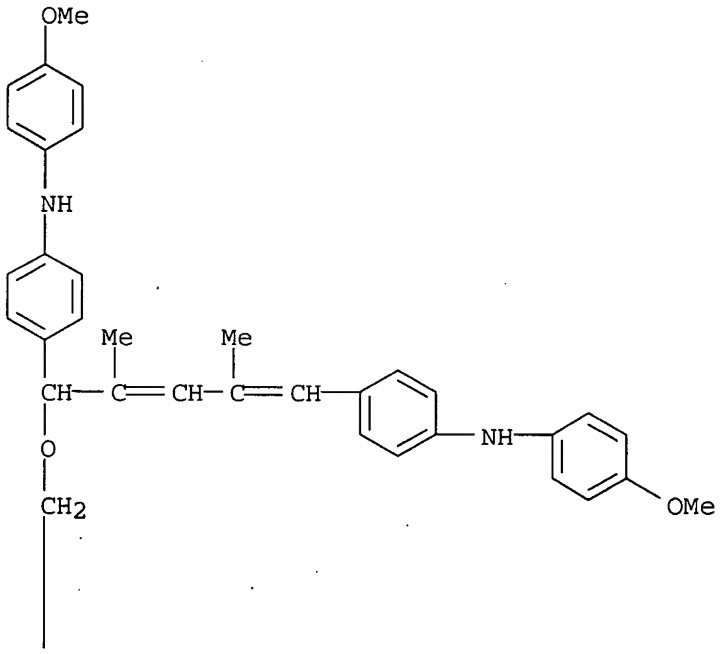
RN 139338-03-7 CAPLUS
CN Benzenamine, 4,4'-[2,4-dimethyl-5-(2-naphthalenylmethoxy)-1,3-pentadiene-1,5-diyl]bis[N-phenyl- (9CI) (CA INDEX NAME)

CAS ONLINE PRINTOUT

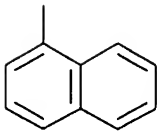


RN 139338-04-8 CAPLUS
CN Benzenamine, 4,4'-[2,4-dimethyl-5-(1-naphthalenylmethoxy)-1,3-pentadiene-1,5-diyl]bis[N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



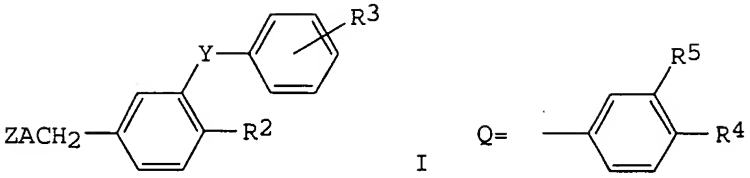
L23 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:123314 CAPLUS
DN 116:123314
TI Preparation of organosilicon acaricides and insecticides.
IN Katsuta, Yoshio; Hirobe, Hajime; Namite, Yoshihiro
PA Dainippon Jochugiku Co., Ltd., Japan

CAS ONLINE PRINTOUT

SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03255006	A	19911113	JP 1990-281566	19901019
	JP 05034321	B	19930521		
PRAI	JP 1990-281566		19901019		

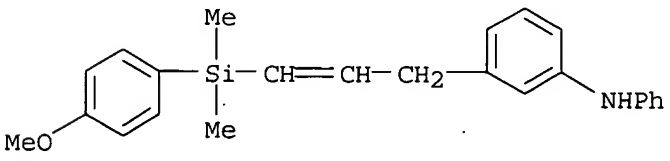
OS MARPAT 116:123314
GI



AB Insecticides and acaricides contain organosilicon compds. I (Z = SiMe2R1; R1 = Me, Q; R2 = H, F; R3 = H, halo, Me; R4, R5 = H, halo, C1-4 alkyl, C1-3 alkoxy, C1-2 haloalkyl, haloalkoxy; R4R5 = OCH2O; A = CH2CH2, CH:CH; Y = O, CH2, NH, NMe, NCHO, CO; when A = CH2CH2 and R1 = Q, then Y = CO) prepared from R1Me2SiM (II; M = Cl, metal) and I (Z = halo). II (R1 = 4-EtOC6H4, M = Cl) (4.2 g) was lithiated in THF at -50° for 1 h and at 0° for 1 h and treated with 5.1 g 3-(3-benzoylphenyl)propyl chloride at room temperature for 2 h to give 6.3 g I (Z = SiMe2C6H4OEt-4, R2 = R3 = H, A = CH2CH2, Y = CO) (III). A kerosine solution containing 0.2% III showed 100% control of houseflies.

IT 118236-59-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as insecticide and acaricide)

RN 118236-59-2 CAPLUS
CN Benzenamine, 3-[3-[(4-methoxyphenyl)dimethylsilyl]-2-propenyl]-N-phenyl- (9CI) (CA INDEX NAME)



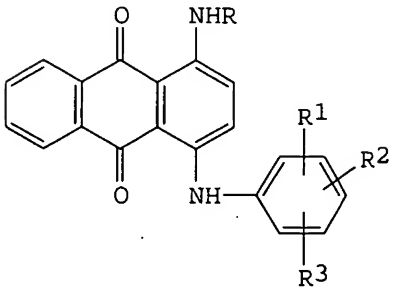
L23 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:431978 CAPLUS
DN 113:31978
TI Cyan type color toner compositions using an anthraquinone type dye
IN Takuma, Hirosuke; Oyama, Tsukasa; Igata, Akitoshi; Mikota, Tamio; Aida, Isamu; Koshida, Hitoshi
PA Mitsui Toatsu Chemicals, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.

CAS ONLINE PRINTOUT

CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01284865	A	19891116	JP 1988-115121	19880512
PRAI	JP 1988-115121		19880512		

OS MARPAT 113:31978
GI

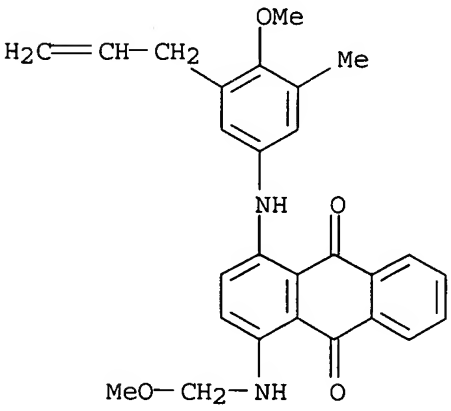


I

AB The title toner compns. for electrostatog. developers contain, in the binder resin, an anthraquinone type dye I [R = H, (branched) alkyl, cycloalkyl, alkenyl, aryl, aralkyl, alkoxyalkyl; R1-3 = H, (branched) alkyl, alkoxy, alkenyl]. The toner compns. provide uniform d. cyan images with good lightfastness and exhibit good durability. Thus, 1-methylamino-4-(3-methylanilino)anthraquinone 5 was melt-mixed with Himer TB-1000F (acrylic ester-styrene copolymer) 95 parts, pulverized, and then mixed with EFV 250/400 (Fe powder) to give an electrophotog. developer, which gave clear cyan images without fog.

IT 128011-69-8
RL: USES (Uses)
(dye, for electrostatog. developer toner)

RN 128011-69-8 CAPLUS
CN 9,10-Anthracenedione, 1-[(methoxymethyl)amino]-4-[[4-methoxy-3-methyl-5-(2-propenyl)phenyl]amino]- (9CI) (CA INDEX NAME)



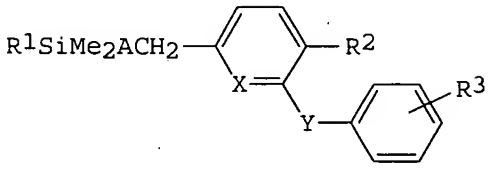
L23 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1989:39173 CAPLUS

CAS ONLINE PRINTOUT

DN 110:39173
TI Preparation of organosilicon compounds as insecticides and acaricides
IN Katsuda, Yoshio; Hirobe, Hajime; Minamite, Yoshihiro
PA Dainippon Jochugiku Co., Ltd., Japan
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8801271	A1	19880225	WO 1986-JP620	19861206
	W: AT, AU, BR, CH, DE, GB, JP, US				
	RW: FR				
	JP 01131104	A	19890524	JP 1986-194730	19860819
	JP 03049911	B	19910731		
	AU 8767254	A	19880308	AU 1987-67254	19861206
	CN 87100628	A	19880302	CN 1987-100628	19870211
PRAI	JP 1986-194730	A	19860819		
	WO 1986-JP620	A	19861206		

OS MARPAT 110:39173
GI



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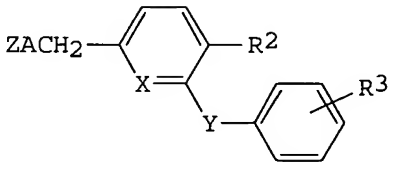

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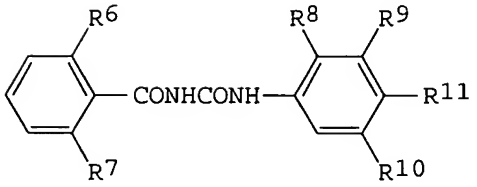
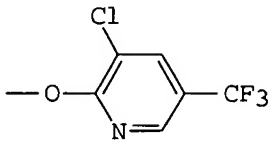


III



Q

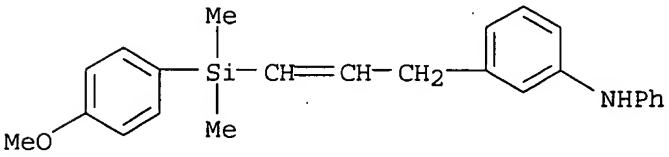
AB I [R1 = Me, 3,4-R4R5C6H3 (R4, R5 = H, halo, C1-4 alkyl, C1-3 alkoxy, C1,2 haloalkyl, haloalkoxy, R4R5 = OCH2CH2O); R2 = H, F; R3 = H, Me, halo; A = (CH2)2, CH:CH, CH2O; X = N, CH; Y = O, CH2, NH, NMe, NCHO, CO] are prepared from R1Me2SiM (M = Cl, metal) and II (Z = halo or their reactive forms) and synergistic insecticides and acaricides containing I and insect-growth regulators such as ureas III (R6-R10 = H, F, Cl; R11 = F, Cl, CF3, F3CO, tetrafluoroethoxy, Q), 4-PhOC6H4OCH2CHR12R13 (IV; R12 = H, Me; R13 = NHCO2Et, ON:CHEt, 2-pyridyloxy), hydroprene, and methoprene, are prepared A solution of 4-EtOC6H4SiMe2Cl in THF was successively treated with Li and II [R2 = R3 = H; X = N; Y = O; A = (CH2)2; Z = Cl] to give I [R1 = 4-EtOC6H4; R2 = R3 = H; X = N; Y = O; A = (CH2)2]. A 3:1 mixture of I [R1 = 4-EtOC6H4; R2 = R3 = H; X = CH; Y = NH; A = (CH2)2] (V) and III (R6 = R7 = F; R8 = R9

= R10 = H; R11 = Cl) showed 2.8 times insecticidal activity against Panonychus citri than V itself. An insecticidal-acaricidal oil was formulated by mixing V 0.2, piperonyl butoxide 0.8, and kerosine to make 100 weight parts.

IT 118236-59-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as insecticide and acaricide)

RN 118236-59-2 CAPLUS

CN Benzenamine, 3-[3-[(4-methoxyphenyl)dimethylsilyl]-2-propenyl]-N-phenyl- (9CI) (CA INDEX NAME)



L23 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:628312 CAPLUS

DN 105:228312

TI Antioxidants and antidegradants for rubbers

IN Sakurai, Hiroshi

PA Nippon Zeon Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61130356	A	19860618	JP 1984-252147	19841129
	JP 05072412	B	19931012		
PRAI	JP 1984-252147		19841129		

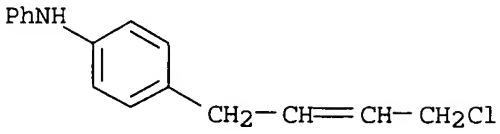
AB The title materials comprise reactive anilinophenylbutadiene and its derivs. Thus, 1 mol aqueous NaNO2 was added dropwise to 1 mol p-aminodiphenylamine in .apprx.5% aqueous HCl at 0°; mixing for 1 h, filtering with cooling, mixing dropwise with Me2CO and 80 g aq AcONa, 30 g aqueous CuCl2, and 1.5 mol butadiene at ≤0° under vigorous stirring, mixing for 1 day, extracting with ether, and distilling in vacuo gave 1-(p-anilinophenyl)-4-chloro-2-butene as residue. To the latter dissolved in MeOH was added KOH in MeOH; precipitating in cold water and working up gave 53.1 g 1-(p-anilinophenyl)-1,3-butadiene (I), m.p. 89°. Nitrile rubber 100, stearic acid 1, ZnO 5, FEF carbon black 40, S 0.3, tetramethylthiuram disulfide 2.5, N-cyclohexyl-2-benzothiazolesulfenamide 2.0, and I 1.5 parts were mixed and press-cured at 160° for 20 min to give test pieces having initial tensile strength 238 kg/cm2, initial elongation 520%, and initial hardness 65; and after aging (at 120° for 96 h), tensile strength change +7%, elongation change -28%, and hardness change +5 points, compared with 242, 500, 65, +10, -40, and +8, resp., for similar test pieces stabilized with N-phenyl-N'-isopropyl-p-phenylenediamine instead of I.

IT 105532-62-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and dehydrochlorination of)

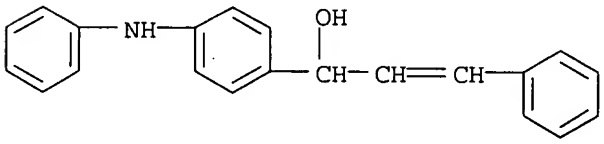
RN 105532-62-5 CAPLUS

CN Benzenamine, 4-(4-chloro-2-butenyl)-N-phenyl- (9CI) (CA INDEX NAME)

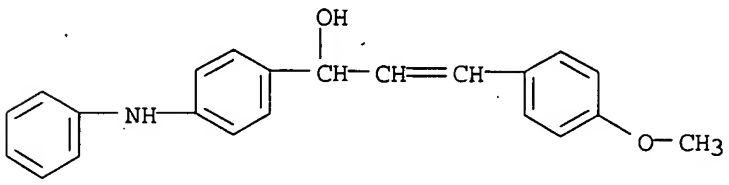
CAS ONLINE PRINTOUT



L23 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1985:595738 CAPLUS
DN 103:195738
TI Nature of bands of electronic absorption spectra of acid solutions of aromatic α,β-unsaturated ketones
AU Chuev, V. P.; Nikitchenko, V. M.; Lavrushin, V. F.
CS Khar'k. Gos. Univ., Kharkov, USSR
SO Teoreticheskaya i Eksperimental'naya Khimiya (1985), 21(3), 321-8
CODEN: TEKHA4; ISSN: 0497-2627
DT Journal
LA Russian
AB The electronic spectra of 4-PhXC6H4CO(CH:CH)nC6H4R-4 (X = CH2, O, S, NH, NMe; n = 1, 2; R = H, OMe, NMe2, Br, NO2) in 93% H2SO4 contain 2 intense π-π* bands in the 330-630 nm region. MO calcns. permitted the assignment of these bands to protonated cinnamoyl and protonated acetophenone fragments. Resonance, dipole-dipole, and exchange interactions of these fragments were considered.
IT 99050-80-3 99050-81-4 99050-82-5
99050-83-6 99050-84-7 99050-85-8
99050-86-9
RL: PRP (Properties)
(electronic spectrum of, in sulfuric acid)
RN 99050-80-3 CAPLUS
CN Benzenemethanol, 4-(phenylamino)-α-(2-phenylethenyl)- (9CI) (CA INDEX NAME)

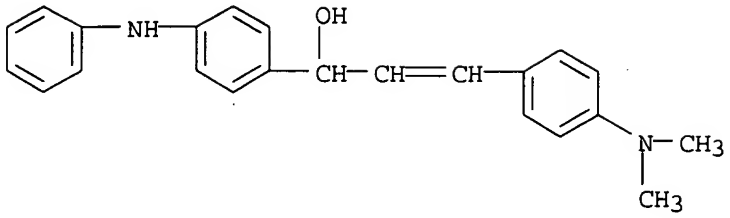


RN 99050-81-4 CAPLUS
CN Benzenemethanol, α-[2-(4-methoxyphenyl)ethenyl]-4-(phenylamino)- (9CI) (CA INDEX NAME)

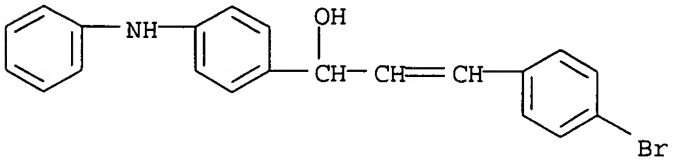


RN 99050-82-5 CAPLUS
CN Benzenemethanol, α-[2-[4-(dimethylamino)phenyl]ethenyl]-4-(phenylamino)- (9CI) (CA INDEX NAME)

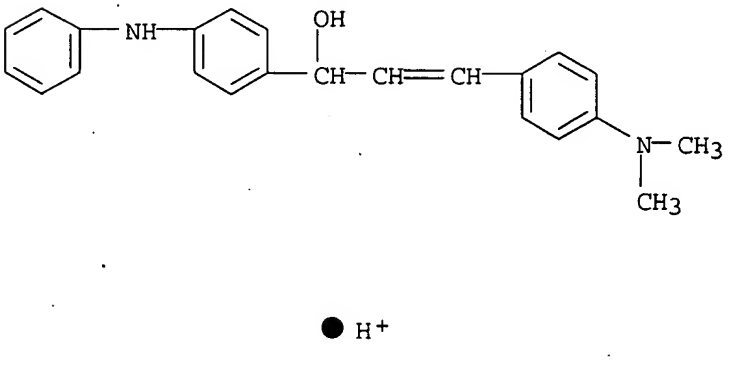
CAS ONLINE PRINTOUT



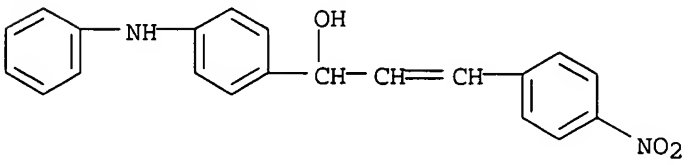
RN 99050-83-6 CAPLUS
CN Benzenemethanol, α-[2-(4-bromophenyl)ethenyl]-4-(phenylamino)- (9CI) (CA INDEX NAME)



RN 99050-84-7 CAPLUS
CN Benzenemethanol, α-[2-[4-(dimethylamino)phenyl]ethenyl]-4-(phenylamino)-, conjugate monoacid (9CI) (CA INDEX NAME)

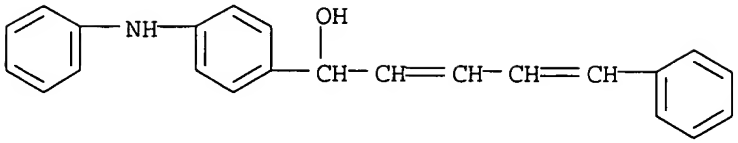


RN 99050-85-8 CAPLUS
CN Benzenemethanol, α-[2-(4-nitrophenyl)ethenyl]-4-(phenylamino)- (9CI) (CA INDEX NAME)



RN 99050-86-9 CAPLUS
CN Benzenemethanol, 4-(phenylamino)-α-(4-phenyl-1,3-butadienyl)- (9CI) (CA INDEX NAME)

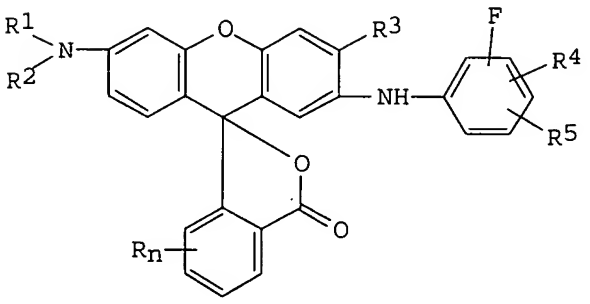
CAS ONLINE PRINTOUT



L23 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1983:596644 CAPLUS
DN 99:196644
TI Fluorine-containing fluorans
PA Nippon Kayaku Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 58065754	A	19830419	JP 1981-164261	19811016
	JP 02016316	B	19900416		
PRAI	JP 1981-164261		19811016		

GI



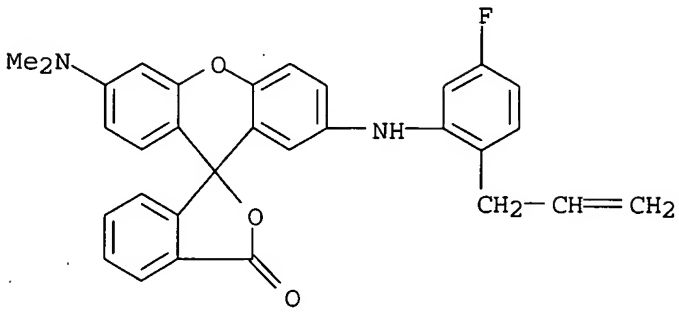
I

AB Fluorans I(R = H, Cl; R1, R2 = H, lower alkyl; R3 = H, Me; R4, R5 = H, Me, Et, halogen, nitro; n = 1-4) were prepared and used as color formers in heat- and pressure-sensitive copying papers. Thus, p-bromoanisole [104-92-7] was treated with o-fluoroacetanilide [399-31-5] in the presence of K2CO3 and powdered Cu under reflux for 10 h and hydrolyzed to give 2-fluoro-4'-methoxydiphenylamine [1741-78-2] which was condensed with 2-[4-(diethylamino)-2-hydroxybenzoyl]benzoic in concentrate H2SO4 to give 60% I (R = R3 = R4 = R5 = H; R1 = R2 = Et; o-F) [87454-84-0], black with bisphenol A at 150°.

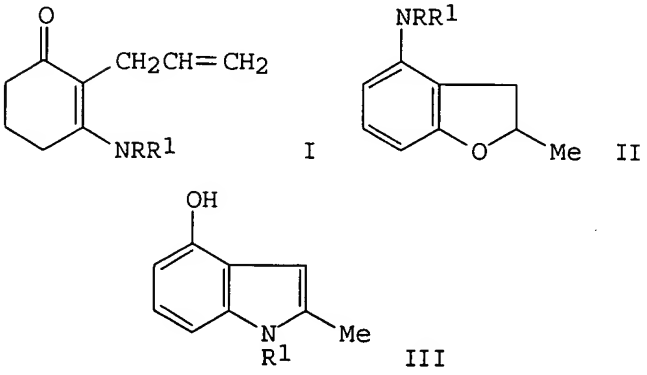
IT 87454-90-8
RL: USES (Uses)
(color formers, for heat- and pressure-sensitive copying papers, manufacture of)

RN 87454-90-8 CAPLUS
CN Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 6'-(dimethylamino)-2'-[[5-fluoro-2-(2-propenyl)phenyl]amino]- (9CI) (CA INDEX NAME)

CAS ONLINE PRINTOUT

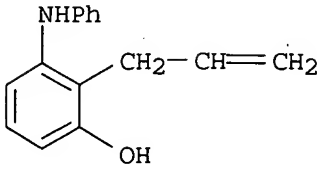


L23 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1983:53591 CAPLUS
DN 98:53591
TI One-step synthesis of 4-aminodihydrobenzofurans and 4-hydroxyindoles via dehydrogenation-heteromercuration of 2-allyl-3-aminocyclohexenones using mercury(II) acetate
AU Iida, Hideo; Yuasa, Yoshifumi; Kibayashi, Chihiro
CS Tokyo Coll. Pharm., Tokyo, 192-03, Japan
SO Tetrahedron Letters (1982), 23(35), 3591-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 98:53591
GI



AB Cyclohexenones I [RR1 = (CH2)4; R = H, R1 = Ph, CH2Ph, Et, Pr, (CH2)2C6H3(OMe)2-3,4] were prepared in 77-95% yield by reaction of 2-allyl-1,3-cyclohexanedione with HNRR1 in refluxing C6H6 for 3-6 h. Treatment of I [RR1 = (CH2)4; R = H, R1 = Ph, CH2Ph] with Hg(OAc)2 in refluxing MeCN for 2 h followed by demercuration with NaBH4 in aqueous NaOH gave benzofurans II (R, R1 as before) and 2,3-(H2C:CHCH2)(HO)C6H3NHR (R = Ph, CH2Ph). When I [R = H, R1 = Et, Pr, (CH2)2C6H3(OMe)2-3,4] were treated as above aminomercuration was observed to give indoles III .
IT 84248-71-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 84248-71-5 CAPLUS
CN Phenol, 3-(phenylamino)-2-(2-propenyl)- (9CI) (CA INDEX NAME)

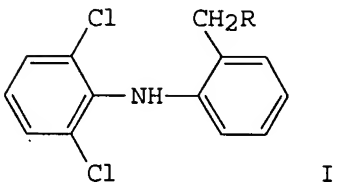
CAS ONLINE PRINTOUT



L23 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1981:497376 CAPLUS
DN 95:97376
TI Phenylacetic acid derivative
IN Arimura, Katsuo; Kawakita, Takeshi; Ohe, Takanori; Tsuruda, Mineo; Hosoya, Masahiro
PA Ciba-Geigy A.-G., Switz.
SO Can., 21 pp.
CODEN: CAXXA4
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 1095077	A1	19810203	CA 1977-280328	19770610
	JP 52153928	A	19771221	JP 1976-69013	19760612
	JP 52153929	A	19771221	JP 1976-69014	19760612
	JP 53040734	A	19780413	JP 1976-115235	19760925
PRAI	JP 1976-69013	A	19760612		
	JP 1976-69014	A	19760612		
	JP 1976-115235	A	19760925		

GI

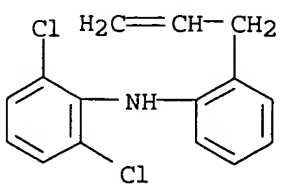


I

AB The oxidative cleavage of o-(substituted-methyl)diphenylamines I [R = 2-furyl, 5-formyul-2-furyl (optionally acetalized), vinyl] gave [2-(2,6-dichloroanilino)phenyl]acetic acid (II); II and its salts are useful as antiinflammatory and antirheumatic agents (no data). I (R = 2-furyl) was treated with ozone at between -50° and -40° and then with H2O2 and NaOH at between -40° and room temperature to give II.

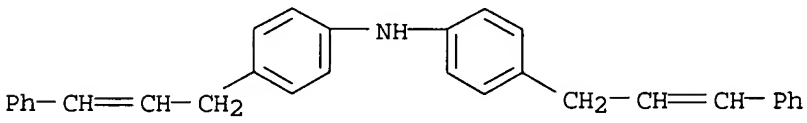
IT 78722-89-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and oxidative cleavage of, phenylacetic acid derivs. from)

RN 78722-89-1 CAPLUS
CN Benzenamine, 2,6-dichloro-N-[2-(2-propenyl)phenyl]- (9CI) (CA INDEX NAME)

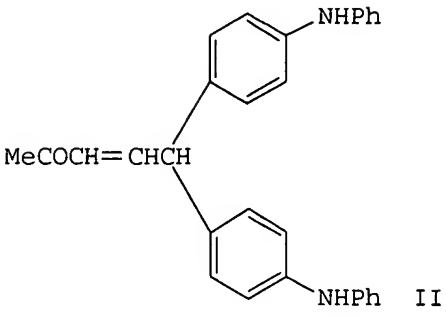


CAS ONLINE PRINTOUT

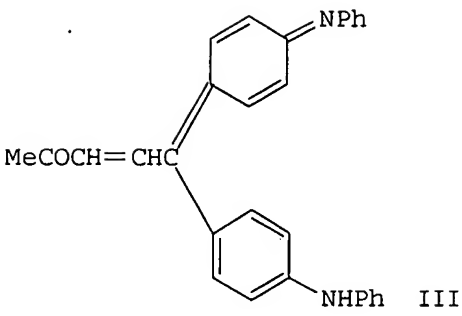
L23 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1978:197619 CAPLUS
DN 88:197619
TI Rubber vulcanizates in relation to their suitability as closure material for liquid pharmaceutical preparations. Effect of fillers and antioxidants
AU Yehia, A. A.; Kassem, M. A.; Tawfik, A. Sina; Ibrahim, S. A.
CS Natl. Res. Cent., Cairo, Egypt
SO Pharmazeutische Industrie (1978), 40(3), 277-81
CODEN: PHINAN; ISSN: 0031-711X
DT Journal
LA English
AB Seven different fillers and their mixts. were incorporated in rubber compns. The rubber compds. were vulcanized. The physicomech. properties of the vulcanizates were greatly dependent on the nature of the filler employed. The physicomech. properties, water sorption, and leaching tendency were greatly improved by the incorporation of hydrophobic Aerosil or its mixture with BaSO4 and talc. Absorption spectra of the rubber autoclavates showed the general pattern characteristic for the vulcanizing system used. The addition of antioxidants slightly decreased the modulus and tensile strength of the rubber vulcanizates and practically did not affect their water sorption and leaching tendency.
IT 66693-72-9
RL: BIOL (Biological study)
(antioxidant, rubber vulcanizate pharmaceutical liquid closure material properties in relation to)
RN 66693-72-9 CAPLUS
CN Benzenamine, 4-(3-phenyl-2-propenyl)-N-[4-(3-phenyl-2-propenyl)phenyl]-(9CI) (CA INDEX NAME)



L23 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1976:135205 CAPLUS
DN 84:135205
TI Dische reaction. VI. Isolation and structural determination of the major product of the Dische reaction
AU Rioux-Lacoste, Catherine; Izard-Verchere, Catherine; Rumpf, Paul; Viel, Claude
CS Thiais., Cent. Etud. Rech. Chim. Org. Appl., Thiais, Fr.
SO Bulletin de la Societe Chimique de France (1974), 11, Pt. 2, 2478-81
CODEN: BSCFAS; ISSN: 0037-8968
DT Journal
LA French
GI



II



III

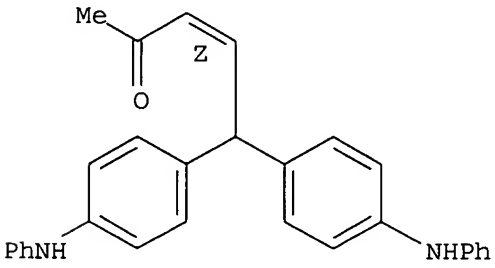
AB The Dische reaction of MeCOCH:CHCHO (I) with Ph2NH gave condensation products (II and III); mass spectral data were given. The reactions of Ph2NH, Ph2NMe, and 2,4-Me2C6H3NHPh with RCOCH:CHCHO (IV, R = Pr, H, CMe3) and of I with Ph2NMe and 2,4-Me2C6H3NHPh were studied and reaction mechanisms were discussed. I and IV were obtained from furfuryl alc. and 2,5-dihydrofurans.

IT 58733-21-4P 58733-22-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 58733-21-4 CAPLUS

CN 3-Penten-2-one, 5,5-bis[4-(phenylamino)phenyl]-, (Z)- (9CI) (CA INDEX NAME)

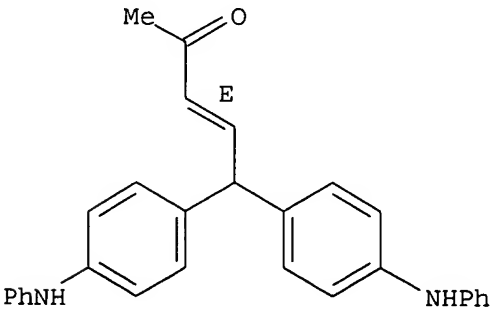
Double bond geometry as shown.



RN 58733-22-5 CAPLUS

CN 3-Penten-2-one, 5,5-bis[4-(phenylamino)phenyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



CAS ONLINE PRINTOUT

AN 1946:16230 CAPLUS
DN 40:16230
OREF 40:3133h-i,3134a-b
TI 3-Methallyl-4-methallyloxydiphenylamine
IN Gibbs, Carlin F.
PA B. F. Goodrich Co.
DT Patent
LA Unavailable
FAN.CNT 1

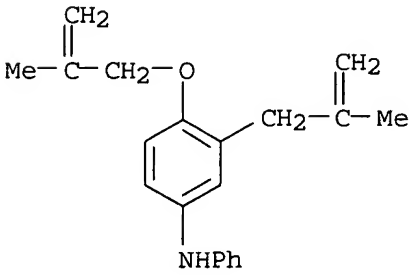
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2393156		19460115	US 1941-405791	19410807

GI For diagram(s), see printed CA Issue.

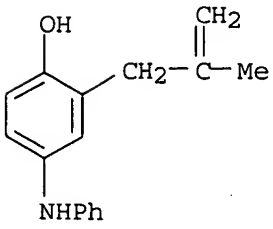
AB The preparation of compds. of the general type where R and R' are H atoms or alkyl groups, is briefly discussed. The compds. are useful as antioxidants, especially in rubber compns. and in easily oxidized oils. By heating under reflux equimol. amts. of 4-HOC6H4NHPh and CH2:CMeCH2Cl in the presence of 1.5 mols. 10% alc. KOH for 2 hrs., followed by neutralization, was formed PhNHC6H4OCH2CMe:CH2 which rearranged readily when heated with 1/2 its weight of PhNEt2 at 200° for 30-50 min. The product is 3-methallyl-4-hydroxydiphenylamine (I), 4,3-HO(CH2:CMeCH2)C6H3NHPh, b3 165-75°. Its 4-methallyl ether (properties not given) was formed by treating I with CH2:CMeCH2Cl in the presence of an excess of alc. KOH as in the previous step of the synthesis. Although this is the only actual example given, 19 analogs are mentioned.

IT 760192-80-1P, Diphenylamine, 3-(2-methylallyl)-4-(2-methylallyloxy)- 805325-87-5P, Phenol, 4-anilino-2-(2-methylallyl)-
RL: PREP (Preparation)
(preparation of)

RN 760192-80-1 CAPLUS
CN Diphenylamine, 3-(2-methylallyl)-4-(2-methylallyloxy)- (4CI) (CA INDEX NAME)



RN 805325-87-5 CAPLUS
CN Phenol, 4-anilino-2-(2-methylallyl)- (4CI) (CA INDEX NAME)

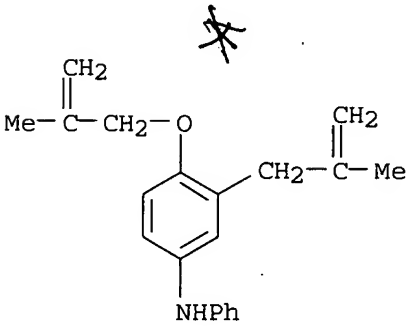


CAS ONLINE PRINTOUT

L23 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1946:16229 CAPLUS
DN 40:16229
OREF 40:3133g-h
TI Cyclization of hydrocarbons
IN Fife, James G.
DT Patent
LA Unavailable
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI GB 563555		19440821	GB 1942-10924	19420805

AB Aromatic hydrocarbons are produced by catalytic cyclization-dehydrogenation of hydrocarbons having not more than 12 C atoms in an open chain and capable of being cyclized to a 6-membered ring, using a catalyst which is promoted with 2.5-20% of a rare-earth element and 6-30% K, Rb, Cs, or a mixture of one of them with not more than 15% of Na. The percentages are based on the metal in the cyclizing metal compound
IT 760192-80-1P, Diphenylamine, 3-(2-methylallyl)-4-(2-methylallyloxy)-
RL: PREP (Preparation)
(preparation of)
RN 760192-80-1 CAPLUS
CN Diphenylamine, 3-(2-methylallyl)-4-(2-methylallyloxy)- (4CI) (CA INDEX NAME)



L23 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1945:9989 CAPLUS
DN 39:9989
OREF 39:1567a-e
TI Antioxidants
IN Gibbs, Carlin F.
PA B. F. Goodrich Co.
DT Patent
LA Unavailable
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2359360		19441003	US 1943-475791	19430213

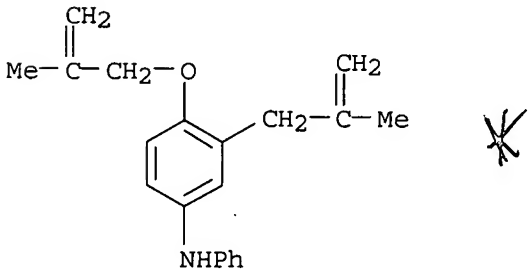
GI For diagram(s), see printed CA Issue.
AB As antioxidants for natural and synthetic rubber are used compds. of the type where R and R' are H or functionally aliphatic hydrocarbon groups. Among such groups are alkyl, alkenyl, aralkyl. Generally the antioxidants are hydroxyalkenyldiaryl amines or their hydrocarbon ethers. One of these antioxidants is 3-(2-methylallyl)-4-hydroxydiphenylamine, b3 165-75°. It is prepared by causing 1 mol. of p-hydroxydiphenylamine

to react with approx. 1 mol. of 2-methylallyl chloride in the presence of approx. 1.5 mols. of 10% alc. K_2CO_3. The mixture is refluxed for approx. 2 h., cooled, neutralized and filtered. The product, p-(2-methylallyloxy)diphenylamine, is dissolved in half its weight of $PhNEt_2$ and the solution is heated for approx. 30-50 min. at 200°. This causes a rearrangement to 3-(2-methylallyl)-4-hydroxydiphenylamine. Other diphenylamines similarly prepared and suitable as antioxidants are 3-hydroxy-4-(2-methylallyl), 3-methoxy-4-(2-methylallyl), 3-(2-methylallyl)-4-methoxy, 3-(2-methylallyl)-4-ethoxy, 3-(2-methylallyl)-4-isopropoxy, 3-(2-methylallyl)-4-(2-methylallyloxy), 2-hydroxy-3-(2-methylallyl), 2-methoxy-3-(2-methylallyl),2-ethoxy-3-(2-methylallyl), 2-(2-methylallyloxy)-3-(2-methylallyl), 3-hydroxy-4-(2-ethytallyl), 3-ethoxy-4-(2-propylallyl), 3-(2-ethylallyl)-4-hydroxy, 3-(2-propylallyl)-4-butoxy. Also prepared were N-[2-hydroxy-3-(2-methylally])phenyl]-2-naphthylamine, N-[3-hydroxy-4-(2-methylallyl) phenyl]-2-naphthylamine, and N-[3-(2-methylallyl)-4-methoxyphenyl]xenylamine. The antioxidants are added in quantities of 0.1-5%.

IT 760192-80-1P, Diphenylamine, 3-(2-methylallyl)-4-(2-methylallyloxy)- 805325-87-5P, Phenol, 4-anilino-2-(2-methylallyl)- 854254-10-7P, Diphenylamine, 4-ethoxy-3-(2-methylallyl)- 854254-13-0P, o-Phenetidine, 3-(2-methylallyl)-N-phenyl- 854254-31-2P, Diphenylamine, 3-(2-methylallyl)-2-(2-methylallyloxy)- 854254-40-3P, Xenylamine, N-[4-methoxy-3-(2-methylallyl)phenyl]- 854254-43-6P, Diphenylamine, 4-methoxy-3-(2-methylallyl)- 854254-45-8P, m-Anisidine, 4-(2-methylallyl)-N-phenyl- 854254-47-0P, Diphenylamine, 2-methoxy-3-(2-methylallyl)- 854254-51-6P, Diphenylamine, 4-isopropoxy-3-(2-methylallyl)- 854254-57-2P, Diphenylamine, 3-ethoxy-4-(2-methyleneamyl)- 854254-98-1P, Diphenylamine, 4-butoxy-3-(2-methyleneamyl)- 857628-69-4P, Phenol, 5-anilino-2-(2-methylenebutyl)- 857628-71-8P, Phenol, 3-anilino-2-(2-methylenebutyl)- 861010-69-7P, Phenol, 2-(2-methylallyl)-6-(2-naphthylamino)- 861010-71-1P, Phenol, 2-(2-methylallyl)-5-(2-naphthylamino)- 873382-51-5P, Phenol, 5-anilino-2-(2-methylallyl)- 873967-23-8P, Phenol, 6-anilino-2-(2-methylallyl)-
RL: PREP (Preparation)
(preparation of)

RN 760192-80-1 CAPLUS

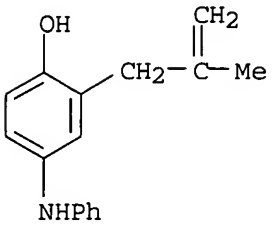
CN Diphenylamine, 3-(2-methylallyl)-4-(2-methylallyloxy)- (4CI) (CA INDEX NAME)



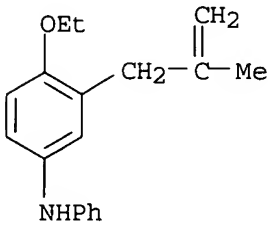
RN 805325-87-5 CAPLUS

CN Phenol, 4-anilino-2-(2-methylallyl)- (4CI) (CA INDEX NAME)

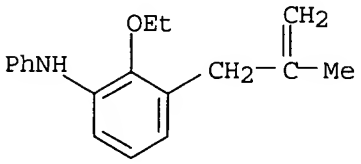
CAS ONLINE PRINTOUT



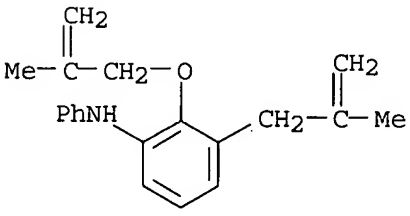
RN 854254-10-7 CAPLUS
CN Diphenylamine, 4-ethoxy-3-(2-methylallyl)- (4CI) (CA INDEX NAME)



RN 854254-13-0 CAPLUS
CN Diphenylamine, 2-ethoxy-3-(2-methylallyl)- (4CI) (CA INDEX NAME)

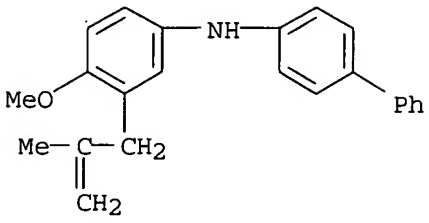


RN 854254-31-2 CAPLUS
CN Diphenylamine, 3-(2-methylallyl)-2-(2-methylallyloxy)- (4CI) (CA INDEX NAME)

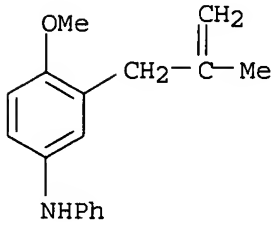


RN 854254-40-3 CAPLUS
CN Diphenylamine, 4-methoxy-3-(2-methylallyl)-4'-phenyl- (4CI) (CA INDEX NAME)

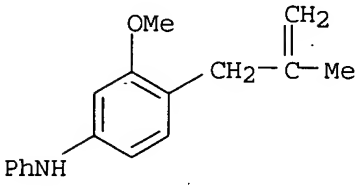
CAS ONLINE PRINTOUT



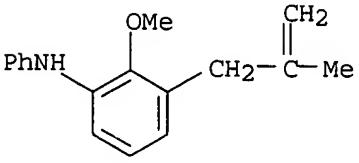
RN 854254-43-6 CAPLUS
CN Diphenylamine, 4-methoxy-3-(2-methylallyl)- (4CI) (CA INDEX NAME)



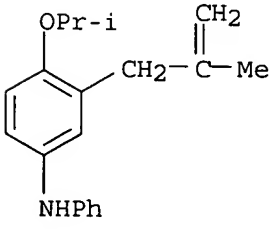
RN 854254-45-8 CAPLUS
CN Diphenylamine, 3-methoxy-4-(2-methylallyl)- (4CI) (CA INDEX NAME)



RN 854254-47-0 CAPLUS
CN Diphenylamine, 2-methoxy-3-(2-methylallyl)- (4CI) (CA INDEX NAME)

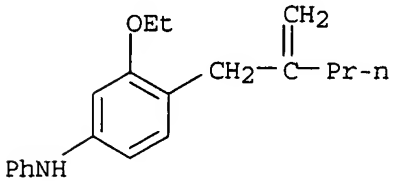


RN 854254-51-6 CAPLUS
CN Diphenylamine, 4-isopropoxy-3-(2-methylallyl)- (4CI) (CA INDEX NAME)

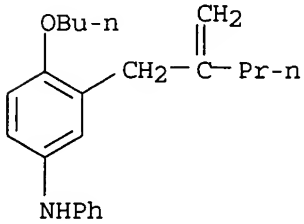


CAS ONLINE PRINTOUT

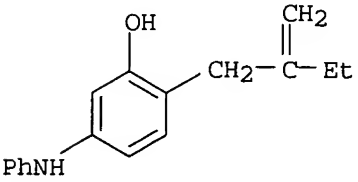
RN 854254-57-2 CAPLUS
CN Diphenylamine, 3-ethoxy-4-(2-methyleneamyl)- (4CI) (CA INDEX NAME)



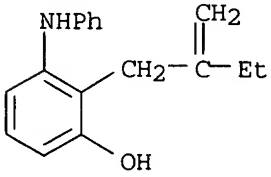
RN 854254-98-1 CAPLUS
CN Diphenylamine, 4-butoxy-3-(2-methyleneamyl)- (4CI) (CA INDEX NAME)



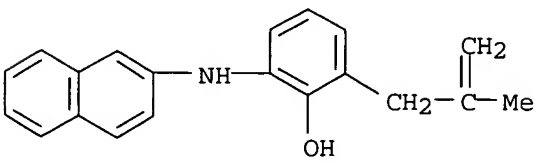
RN 857628-69-4 CAPLUS
CN Phenol, 5-anilino-2-(2-methylenebutyl)- (4CI) (CA INDEX NAME)



RN 857628-71-8 CAPLUS
CN Phenol, 3-anilino-2-(2-methylenebutyl)- (4CI) (CA INDEX NAME)

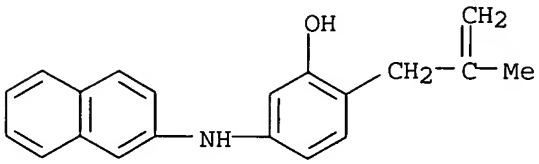


RN 861010-69-7 CAPLUS
CN Phenol, 2-(2-methylallyl)-6-(2-naphthylamino)- (4CI) (CA INDEX NAME)

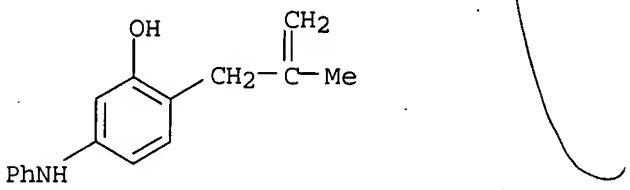


CAS ONLINE PRINTOUT

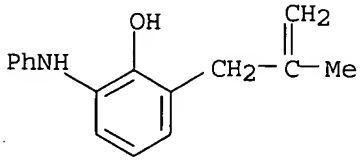
RN 861010-71-1 CAPLUS
CN Phenol, 2-(2-methylallyl)-5-(2-naphthylamino)- (4CI) (CA INDEX NAME)



RN 873382-51-5 CAPLUS
CN Phenol, 5-anilino-2-(2-methylallyl)- (4CI) (CA INDEX NAME)



RN 873967-23-8 CAPLUS
CN Phenol, 6-anilino-2-(2-methylallyl)- (4CI) (CA INDEX NAME)



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